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modern MACHINE KNITTING

SEPTEMBER '94 ISSN No. 0957-6673

Modern Machine Knitting
is published by
Modern Knitting Limited,
17 Grove Park, Waltham Road,
White Waltham, MAIDENHEAD,
Berkshire SL6 3LW
Telephone: 0628-829815
Fax: 0628-829816

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Distribution by
Seymour

Colour Reproduction
Ridgeway Litho Ltd

Printed in England

Canadian Distribution
Modern Sales Canada Inc
PO Box 67, #4, 1865 McLean Ave
PORT COQUITLAM
British Columbia, V3C 3V5

USA Distribution
Modern Sales USA Inc
7724 88th Drive SE
SNOHOMISH
Washington 98290

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Knitline

Angela Gordon keeps you up-to-date with the latest news and products from around the country

THE CABLE THAT'S NOT!

Some time back **Anne Kent** produced a book of really unusual mock cable patterns, knitted by the slip stitch technique entitled Masquerade. The latest book by Anne, **Masquerade 2**, is the second book of mock cable patterns using this technique.

Masquerade 2 contains 7 mix and match designs for both ladies and gents. For Her there is a long line jacket using the slip stitch cable and weaving, a cute little hat, a yoked sweater and sideways knit skirt. For Him and also for Her there is a thick, warm cardigan combining the slip cable with Fair Isle, a slip stitch cable and Fair Isle sweater and a classic slip over (great for cricket fans without the hassle of cabling!).

Anne includes a section called Tension and Tips which tells you all the important things you need to know to make the knitting go smoothly. The patterns are written in a simple step by step format with clear blocking and making up diagrams.

Masquerade 2 costs £5.75 plus 50p for postage and packing. Anne's other books, Sideways Selection £4.95, Masquerade £5.75, Size Right £4.95 and Size Right Extra £3.50 (all plus 50p postage and packing) are still available directly from Anne Kent, 23 Springfield, East Grinstead, West Sussex RH19 2RT. Orders over £10 are post free. To receive a copy of her mail order list please send an A4 stamped addressed envelope.

LEARN JACQUARD

Popular pattern books, the **Learn Jacquard Books 1 to 3** by **MK Publications**, which were written by the late **Doreen Nelson** and originally available through Amberyarn, are now available from retailers nationwide.
Part 1 covers 2 colour Double Jacquard and Birds Eye Jacquard, Part 2 is for 3 and 4 colour Jacquard and Embossed Jacquard and Part 3 tells you all about tuck Jacquard. Each book includes a basic drop shoulder pattern for sweater and cardigan, knitted in 3 ply Acrylic, in sizes 20 to 50 inch chest. The patterns, like most MK Publications, are in a well known table format which makes following them fairly easy. Just mark the appropriate column and knit!

Each Part costs £3.95 and there is a disk available for Brother disk drive users, to accompany each book at a cost of £5.95. For details of your nearest stockist, please write to Machine Knits, 55-57 Hamlet Court Road, Westcliff-on-Sea, Essex SS0 7EY.

LITTLE MASCOTS

Mascot Dolls for Children and Adults is a collection of 20 mascot dolls portraying various jobs and interests, by **Maggie Andrews**.

Each doll comes in three sizes, 3, 6 and 9 inches and they are ideal small projects for beginners for bazaars, or for an extra little gift for someone with a special interest.

If you are trying to interest your children in the craft of machine knitting why not let them make their own. They'll have great fun, deplete your stock of cone ends (watch out for your full cones though!) and want their own machine once hooked.

The dolls are all knitted in Bramwell four-ply Acrylic and are decorated with Jones Tones.

To get a copy of the book send a cheque for £4.35 to Maggie Andrews, 79 Hookfield, Harlow, Essex CM18 6QQ, or send a stamped addressed envelope for full details of all Maggie's books. These include **Skirts and Tops, All Season Suits** and **Summer Wardrobe** for ladies sizes 12 to 24 and **Toybox Sweaters** for three dimensional children's sweaters in sizes 20 inch to 28 inch chest.

Look out in future issues for news of two more books coming from Maggie Andrews shortly, one for babies and another 3D book for children.

SHEEPBREEDS

Sheepbreeds is the name of **Forsell** Yarns' latest addition, a 100% British Wool with no harmful dyes used in it's production. In fact there are no dyes used at all because the entire range is based on the natural colour of each sheep breed.

It is a very fine four-ply yarn (in fact as fine as many three-ply's but knits on a looser tension like natural Shetland wool) which goes a long way, having approximately 2258 metres (2470 yards) on each 500 gram cone.

The yarns have a traditional rustic charm which will make superb Fair Isle sweaters in the natural creams, browns and greys of each individual sheep breed. The Jacob's is a medium brownish grey colour and has a lovely soft handle - we test knitted this yarn at tension 7 which came off the machine rather open and floppy but when washed produced a really lovely fabric. Other breeds include Swaledale which is light grey; Cheviot, a soft Aran colour; Dark Grey Welsh which as the name infers is dark grey and Black Welsh which is a lovely dark brownish black. All Sheepbreeds have to be hand washed or dry cleaned but the finish is well worth the extra care involved.

Each cone comes with it's own British Wool sew-in label, for giving your garments that professional look. See the complete range of Sheepbreeds wool

at your local Forsell Yarn Stockist, where the cost per cone will be approximately £7.99.

While you are there look out for a new Forsell wool yarn with cotton slub in five neutral pastel shades. This yarn, called **Suva** after the capital of Fiji, is designed around a vision of tropical beaches. Sounds wonderful and we are sure it will knit into some beautiful garments.

The shades of the ever popular two-ply, three-ply and four-ply ranges are to be combined shortly, so that, of the 41 shades in four-ply, there will be 28 matching shades in the two- and three-ply. This means that you will be able to create different garment layers, in different thicknesses and still obtain a perfect colour match.

For details of your nearest stockist, write to T. Forsell & Son Ltd., Blaby Road, South Wigston, Leicestershire LE8 2SG.

MADEIRA

THE GREENPEACE COLLECTION

Madeira Threads have recently launched the **Greenpeace Collection** of eight cross stitch designs. These beautiful designs include Rainbow Warrior, Whale Fin, Dolphins, Elements, Blue Whale, Dove, African Elephant and a Tiger.

Madeira produce a range of products from one of the most environmentally friendly factories in the world so their association with Greenpeace is a natural one. These designs are produced on Chlorine-free paper and will cost around £2.35 each. Royalties from their sale are paid to Greenpeace.

Other new products from Madeira include five-metre cardboard bobbins of their well-known **'Carat' knitted metallic braid** in 2mm and 4mm widths and **'Pick Point' designs,** which are surface patterns which have to be pricked through a card and then embroidered through the resultant holes. Look out for the Madeira Carousels of embroidery threads, along with their other products, at your local haberdashery store.

THE FIRST MACMILLAN INFORMATION CENTRE

In a national drive to improve the quality of life of patients with cancer, Cancer Relief Macmillan Fund has opened its first High Street cancer information centre in the UK. To coincide with the opening of the centre, the charity has re-designed and re-launched its most popular leaflet - Help is There, which lists all organisations offering support and information in the UK.

The new Macmillan Cancer Information Centre is situated in Liverpool and will provide immediate information and support for cancer patients and their families.

In a recent survey, The Social Impact of Cancer in Great Britain, initiated by Cancer Relief Macmillan Fund, some of the inadequacies in current cancer care for both patients and their carers were identified. By providing instant information in the High Street, the new centre aims to redress this situation, developing better informed patients and carers.

Liverpool has been chosen as the first area to benefit from such a centre because it has a particularly high incidence of cancer. The centre will be the model for others in the UK.

Help is There, the at-a-glance directory of national contacts for people with cancer, was first issued by the Cancer Relief Macmillan Fund in 1989. Since then over one million copies have been distributed. The leaflet has become widely known and is now much in demand. The 1994 update is being sponsored by SmithKline Beecham. The design of the leaflet has been refreshed and the contacts information updated to provide direct help - a starting point for people with cancer.

Both the Macmillan Cancer Information Centre and the Help is There leaflet are initiatives by Cancer Relief Macmillan Fund, an organisation devoted exclusively to the care of the increasing numbers of people with cancer and which is at the forefront of developing new services to greatly improve the quality of life of Britain's cancer patients.

A KNITTER'S PARADISE

For a truly interesting day out, visit **AK Yarns** where the very knowledgeable

Dear Readers

As the children return to school and life gets back to normal (at least I'm told that it does for many families!) why not start the serious knitting season off by giving your machine a thorough clean.

If you leave it until the machine is causing problems you just might regret it, but treat your machine to a little T.L.C. and it will reward you by producing perfect garments every time.

Then you can take a break and dip into this issue for some great little edgings to try out from Kamalini, a delightful squirrel motif and autumn leaves border to enhance your basic sweater designs from Linda and some good sound advice from Anne Kite.

The Silver Reed Electronic Intarsia carriage is a tremendous piece of equipment. It is the subject of our Finishing Touch feature this month and when you've finished reading about it you can use it to knit the Argyll style sweater.

With winter just around the corner, you can get down to some serious knitting! Fair Isle is always popular with our readers and we have a lovely selection this month from a simple border design to exotic all over patterns.

Whether you use the electronic intarsia carriage or the manual one you will enjoy knitting one for the boys with our Football Intarsia design from Gary Kennedy (do remember that lots of girls also play football these days!).

Enter our easy competition and if you are fortunate enough to win one of the prizes, you could quickly use up all your industrial yarn stocks to make your own designer yarns with an electronic Twister or Winder from P.D.B. Engineering. Just think, you will then have a good excuse to buy more at the autumn exhibitions! Until next time.

Happy knitting.

◀5

knitting staff will be pleased to tell you about their wide range of yarns and accessories.

AK yarns sell only top quality one off yarns which have been produced for such famous names as Armani and Marks & Spencer. These yarns are produced to order by several tons at a time and when the original purchasers are no longer using a particular dye lot, AK Yarns step in and snap up all the best quality yarns remaining. The yarns are then offered for sale to you, the knitter, at a fraction of their original cost.

While AK Yarns specialise in luxury fibres, cashmere, alpaca, cotton, wild silk, lambswool, angora and so on, at rock bottom prices that every knitter can afford, they also stock a range of 2/30's acrylic so there is something to suit the needs of every knitter.

This company do not just sell the yarns to you, they specialise in offering advice of any kind relevant to knitting with any of their range. Every yarn is very carefully test knitted and there are garments made up for you to see and handle.

The shop is open Monday to Friday from 10am to 4pm and on Sundays from 11am to 4pm and we are told that the coffee pot is always on the bubble for their customers! The aisles and doors in AK Yarns shop are extra wide and fitted with proper supermarket shelving especially to ensure a wheelchair friendly environment.

This is an ideal venue for a club coach trip, especially on Monday and Saturday as the local market is open then and you can visit the shop in the morning and the market in the afternoon for a really rewarding day out. The shop will, by prior arrangement, be opened on Saturdays or at any time outside their normal opening hours. Club group visits by coach, or otherwise, are catered for by appointment, when special offers, plus 10% discount to members and 2 1/2% of taking to club funds if over 10 members attend, will be made available. AK Yarns will even organise special rates on pre-booked group lunches at their local hotel.

To organise a real knitter's day out, call AK Yarns on 0455-234900 or write to them at Units 30-31, Brindley Road, Dodwells Industrial Estate, Hinckley, Leicestershire LE10 3BY.

If you cannot make a personal visit, you can send for a set of current shade cards by sending £2.50 in postage stamps together with a large stamped (35p stamp) addressed envelope. Each set is individually hand made with fringes of all the latest yarn stocks.

KNIT FIT SWEATER DRYERS

In June we told you about the **Knit Fit** sweater dryer. Mrs Hayden has now retired and **AK Yarns** (address above) have been appointed the official stockist of this superb sweater dryer. The Knit Fit is being kept to a special low introductory offer of £19.95 for personal callers, until the end of this year (£22.95 for mail orders). Write to AK Yarns for further details.

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3 Ply	HB Acr.	.....(12p to 21p an oz) £2.10 to £3.55 (Rep)
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	Chenille	.....(36p an oz) £6.25
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	75% Acr/25% Wool.....450 Grams	.....(23p an oz) £3.17
D.K.	HB Acr.	.....(18p an oz) £3.08
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	Boxes of 40 (One Colour)	£2.65 per cone	

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D5

Pattern 1

FRINGE BENEFITS

A simple style with texture and detail are the basis of Gail Miller's trendy tunic in Yeoman's Sabrina and Chenille

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Yeoman Sabrina.
(Yarn Guide No. 11.)
1 [2, 2, 2, 2, 2] x 400g cone in Black (MC).
1 x 400g cone in Stone (A).
Yeoman Chenille.
(Yarn Guide No. 12.)
1 x 500g cone in Rust (B).

GARMENT WEIGHT
Finished garment in third size weighs 505g.

The fibre content of Sabrina is 60% Acrylic, 30% Wool, 10% Nylon; Chenille is 100% Acrylic. For further information about this yarn, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicestershire LE8 0UD.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82 [87, 92, 97, 102, 107] cm, 32 [34, 36, 38, 40, 42] in.
Actual size 103 [109, 113, 119, 123, 129] cm, 40½ [43, 44½, 47, 48½, 51] in.
Length to shoulder 69.5 [69.5, 70.5, 70.5, 71.5, 71.5] cm, 27½ [27½, 28, 28, 28½, 28½] in.
Sleeve seam 43 [43, 44, 44, 45, 45] cm, 17 [17, 17½, 17½, 18, 18] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
27.5 stitches and 36 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 8).
27.5 stitches and 32 rows to 10 cm, 4 in measured over Fair Isle pattern on MT + 1 (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Fair Isle Pattern
K 4 rows MC/A, 1 row MC/B, 5 rows MC/A, 1 row MC/B, 6 rows MC/A, 2 rows MC/B, 7 rows MC/A, 2 rows MC/B, 8 rows MC/A, 2 rows MC/B, 12 rows MC/A and 4 rows MC/B.

Punchcard Machines
Remove card and insert upside down and lock on first row. K 1 row MC/B.

Electronic Machines
Lock card on last row. K 1 row MC/B. Set machine to knit card in reverse from last row to first row.

All Machines
Release card. K 5 rows MC/B, 12 rows MC/A, 2 rows MC/B, 8 rows MC/A, 2 rows MC/B, 7 rows MC/A, 2 rows MC/B, 6 rows MC/A, 1 row MC/B, 5 rows MC/A, 1 row MC/B and 4 rows MC/A. These 110 rows form pattern.

BACK
Push 144 [152, 158, 166, 172, 180] Ns at centre to WP. * Using MT and WY, cast on and K a few rows, ending with carriage at right. Set RC at 000. Using MT-3 and MC, K 18 rows. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Unravel WY when work is completed *. Set RC at 000. Using MT, K 106 rows. Insert card and lock on first row. K 2 rows. Release card and cont in Fair Isle patt **. Using MT + 1, K 110 rows. Remove card. Cont in st st and MC. Using MT, K 12 [12, 16, 16, 20, 20] rows. RC shows 230 [230, 234, 234, 238, 238]. Place a marker between st 22 and 23 at left and right of centre 0.
Cast off.

FRONT
Work as for back to **. Using MT + 1, K 78 [78, 82, 82, 86, 86] rows.

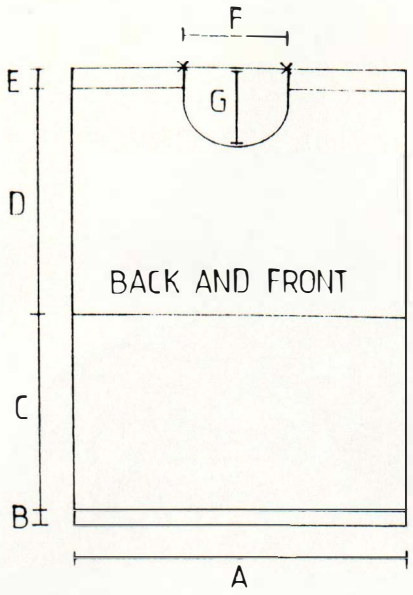
Shape Neck
Note patt row on card. Using a length of MC, cast off centre 20 sts. Using nylon cord, K 62 [66, 69, 73, 76, 80] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge of every alt row until 50 [54, 57, 61, 64, 68] sts rem. K 8 [8, 4, 4, 0, 0] rows. Cont in st st and MC. Using MT, K 12 [12, 16, 16, 20, 20] rows. Cast off. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Using MT + 1, finish to correspond with first side, reversing shapings.

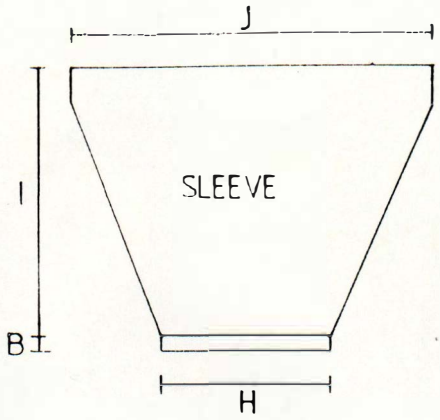
SLEEVES
Push 72 [72, 78, 78, 84, 84] Ns to WP. Work as for back from * to *. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every 3rd row until there are 154 [154, 160, 160, 166, 166] sts. K 25 [25, 29, 29, 33, 33] rows. RC shows 148 [148, 152, 152, 156, 156]. Cast off.

10 ▶

Earrings, KALEVALA KORU. Jeans, FRENCH CONNECTION

A = 52 [55, 57, 60, 62.5, 65] cm
B = 2 cm
C = 30 cm
D = 34.5 cm
E = 3 [3, 4, 4, 5, 5] cm
F = 16 cm
G = 12.5 cm
H = 26 [26, 28, 28, 30.5, 30.5] cm
I = 41 [41, 42, 42, 43, 43] cm
J = 56 [56, 58, 58, 60, 60] cm





POLO COLLAR

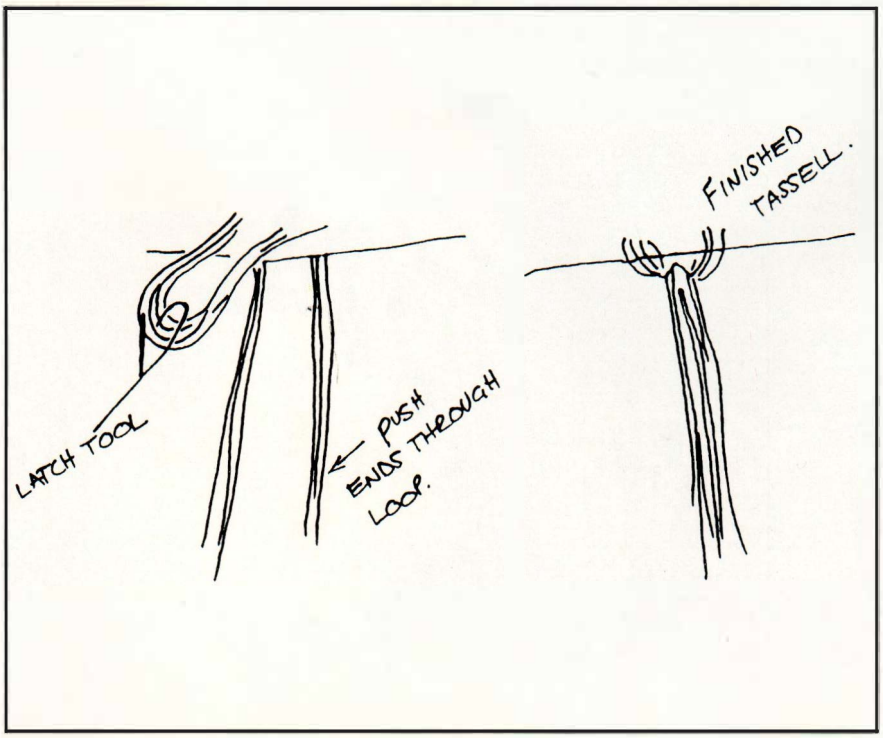
With carriage at right and using MT-5/MT-5 and MC, cast on 198 sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 74 rows. Transfer sts to main bed.
Cast off.

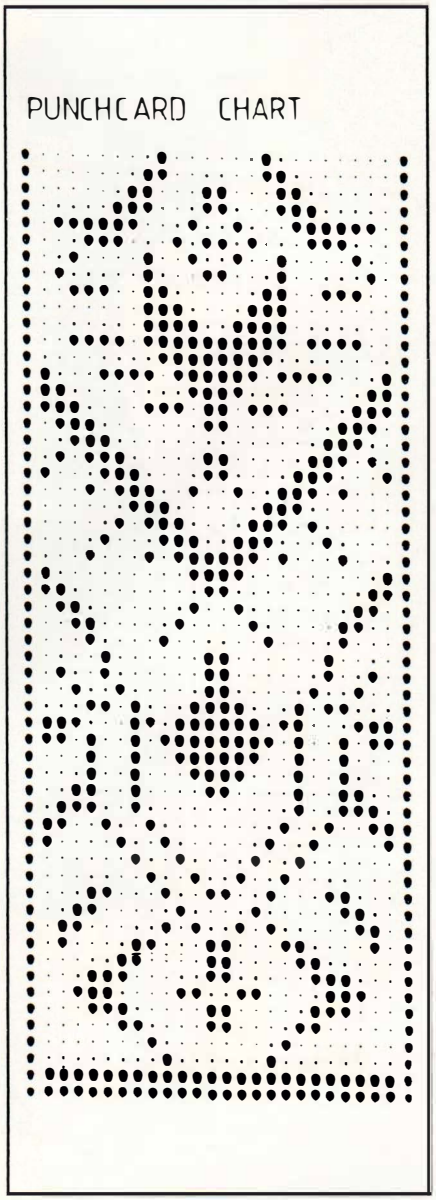
MAKING UP

Join shoulder seams. Set in sleeves, matching centre to shoulder seam. Join side, sleeve and polo collar seam. Sew polo collar into position.

TASSELS

Using 1 strand of each colour, wrap round a piece of card approx 16 cm, 6½ in long.
(Each tassel should be wrapped around 3-4 times.)
Cut through one end.
Attach to hem of garment, using the latch tool to pull through knitting.
Put tassels all round lower hem.





intarsia

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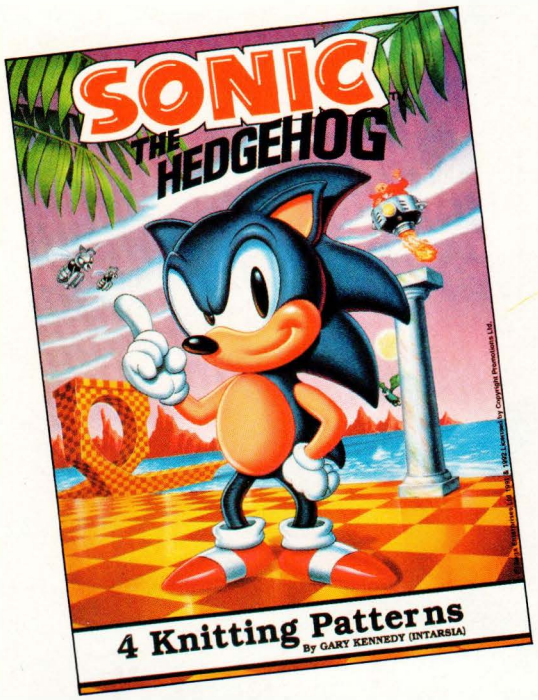

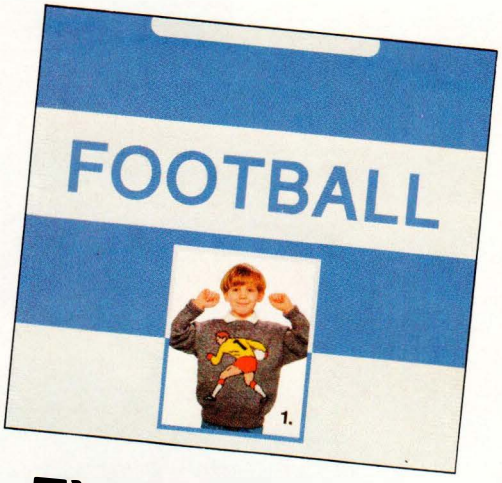

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Penalty kick

Another winner in the Gary Kennedy team. This footballer is sure to be popular with both young and old football fans alike

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for 6.5 mm or 8 mm double knitting machines with intarsia facility and with 84 [90, 96, 114, 126, 138] needles or more.

MATERIALS

5 [5, 6, 8, 10, 11] 50g balls **DK** in Background Colour (MC).
(Yarn Guide No. 15.)
1 x 25g ball in Black, White, Red, Grey, Flesh and Light Brown.
Pair of 3 mm knitting needles.

PATTERN INFORMATION

For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS

To fit bust or chest 61 [66, 71, 76-82, 87-92, 97-102] cm, 24 [26, 28, 30-32, 34-36, 38-40] in.
Actual size 68 [73, 78, 83, 103, 113] cm, 27 [29, 31, 36½, 40½, 44½] in.
Length to shoulder 46 [46, 47.5, 60, 62.5, 65] cm, 18 [18, 19, 23½, 24½, 25½] in.
Sleeve seam 30.5 [33, 38, 35.5, 48, 48] cm, 12 [13, 15, 18, 19, 19] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

24 stitches and 32 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 4).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Always twist yarns together when changing colours in intarsia to prevent a hole forming.
Work 110 rows in intarsia pattern, then cont in MC.

BACK

Push 84 [90, 96, 114, 126, 138] Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000 *. Using MC, K 132 [132, 136, 168, 176, 184] rows.

Shape Shoulders

Cast off 9 [9, 10, 12, 14, 16] sts at beg of next 4 rows and 8 [10, 10, 14, 14, 15] sts at beg of foll 2 rows. Using WY, K a few rows over rem 32 [34, 36, 38, 42, 44] sts and release from machine.

FRONT

Work as for back to *. Using MC, K 2 [2, 4, 24, 24, 28] rows. Cont in intarsia from chart, K 114 [114, 112, 120, 124, 128] rows. RC shows 116 [116, 116, 144, 148, 156].

Shape Neck

Push 52 [56, 59, 68, 76, 82] Ns at left to HP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge on every row until 26 [28, 30, 38, 42, 47] sts rem. K 9 [9, 12, 15, 19, 18] rows.

Shape Shoulders

Cast off 9 [9, 10, 12, 14, 16] sts at beg of next and foll alt row, K 1 row. Cast off rem 8 [10, 10, 14, 14, 15] sts. With carriage at right, push 20 [22, 22, 22, 26, 26] Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

SLEEVES

Push 52 [52, 58, 62, 72, 78] Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using MC, K 2 rows. Shape sides by inc 1 st at each end of next and every foll 4th row until there are 56 [66, 64, 86, 80, 86] sts, then on every foll 6th row until there are 78 [84, 90, 108, 114, 120] sts. K 9 [9, 17, 9, 13, 13] rows. RC shows 82 [90, 106, 122, 130, 130]. Cast off.

WELTS

With P side facing and using 3 mm needles, pick up 84 [90, 96, 114, 126, 138] sts along lower edge. With K side facing and using MC, K 1 row, dec 9 [9, 9, 13, 13, 13] sts evenly. 75 [81, 87, 101, 112, 125] sts.
1st Rib Row: P 1, * K 1, P 1; rep from * to end.
2nd Rib Row: K 1, * P 1, K 1; rep from * to end.
Rep these 2 rows until welt measures 5 [5, 5, 7.5, 7.5, 7.5] cm, 2 [2, 2, 3, 3, 3] in. Cast off in rib.

CUFFS

With P side facing and using 3 mm needles, pick up 52 [52, 58, 62, 72, 78] sts along lower edge of sleeve. With K side facing and using MC, K 1 row, dec 7 [7, 9, 9, 9, 9] sts evenly. 45 [45, 49, 53, 63, 69] sts. Cont in rib as for welts until cuff measures 5 [5, 5, 7.5, 7.5, 7.5] cm, 2 [2, 2, 3, 3, 3] in. Cast off in rib.

NECKBAND

Join right shoulder seam. With right side facing and using 3 mm needles and MC, pick up and K 19 [19, 23, 27, 31, 31] sts down left side of front neck, 20 [22, 22, 22, 26, 26] sts across front neck, 19 [19, 23, 27, 31, 31] sts up right side of front neck and 32 [34, 36, 38, 42, 44] sts across back neck, dec 1 st at centre. 89 [93, 103, 113, 129, 131] sts. Cont in rib as for welts for 5 [5, 5, 7.5, 7.5, 7.5] cm, 2 [2, 2, 3, 3, 3] in. Cast off loosely in rib.

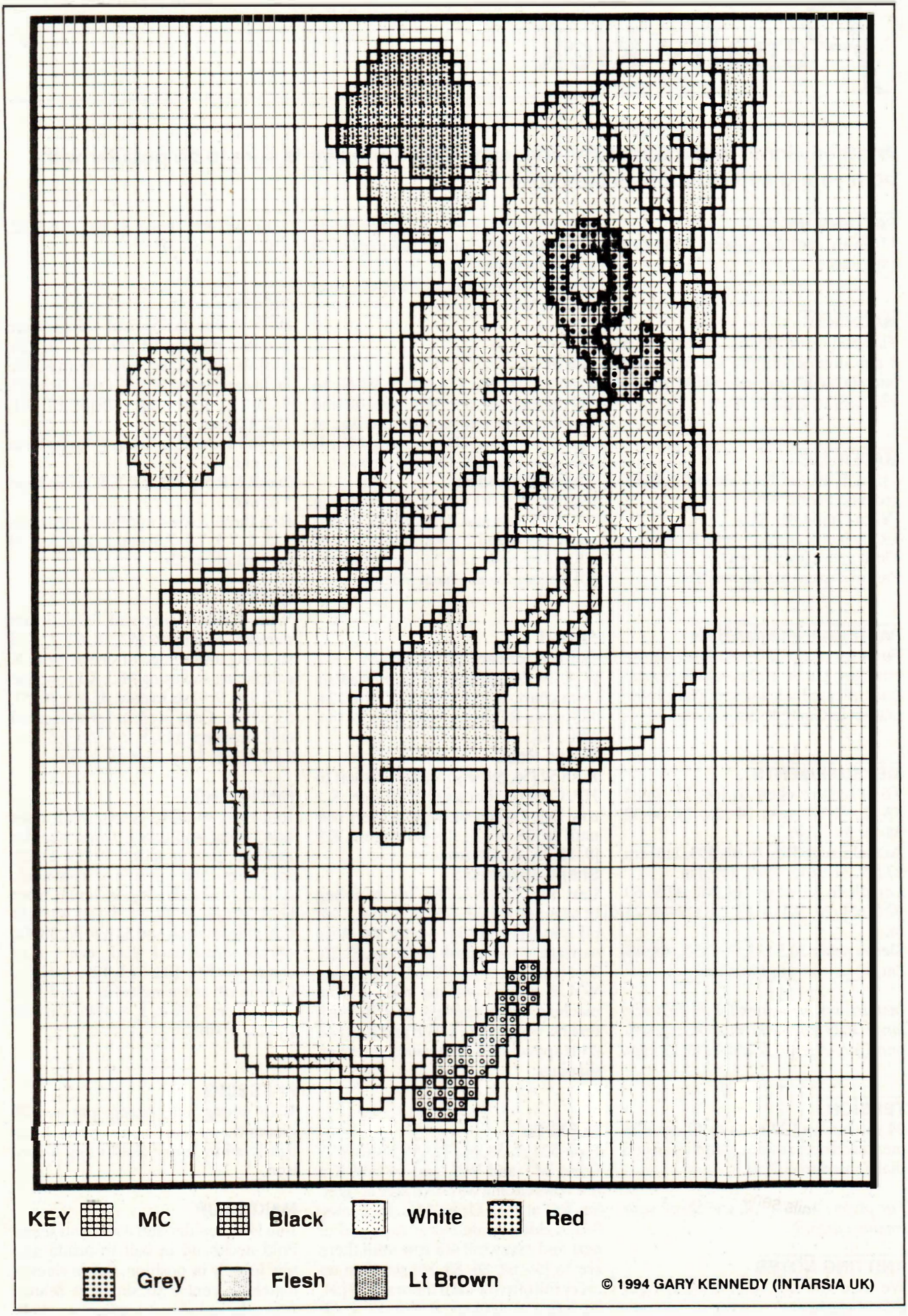
PRESSING

With wrong side facing, pin out all pieces to measurements given. Press lightly under a dry cloth using a cool iron.

MAKING UP

Join left shoulder and neckband seam. Fold neckband in half to inside and sew loosely in position. Set in sleeves matching centre to shoulder seams. Join side and sleeve seams.

15 ▶


KEY
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Red
Grey
Flesh
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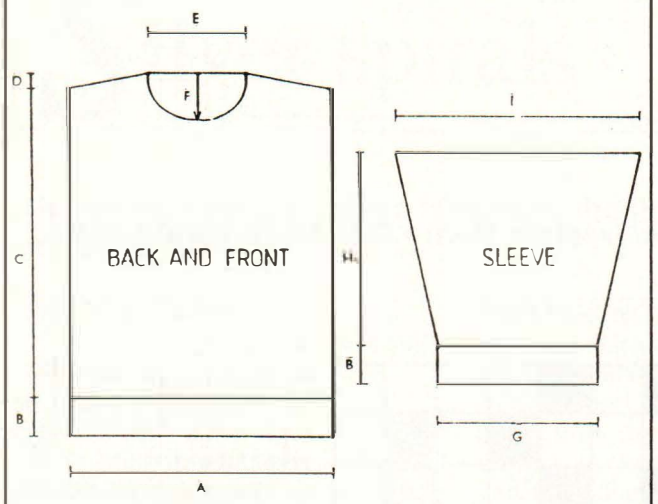
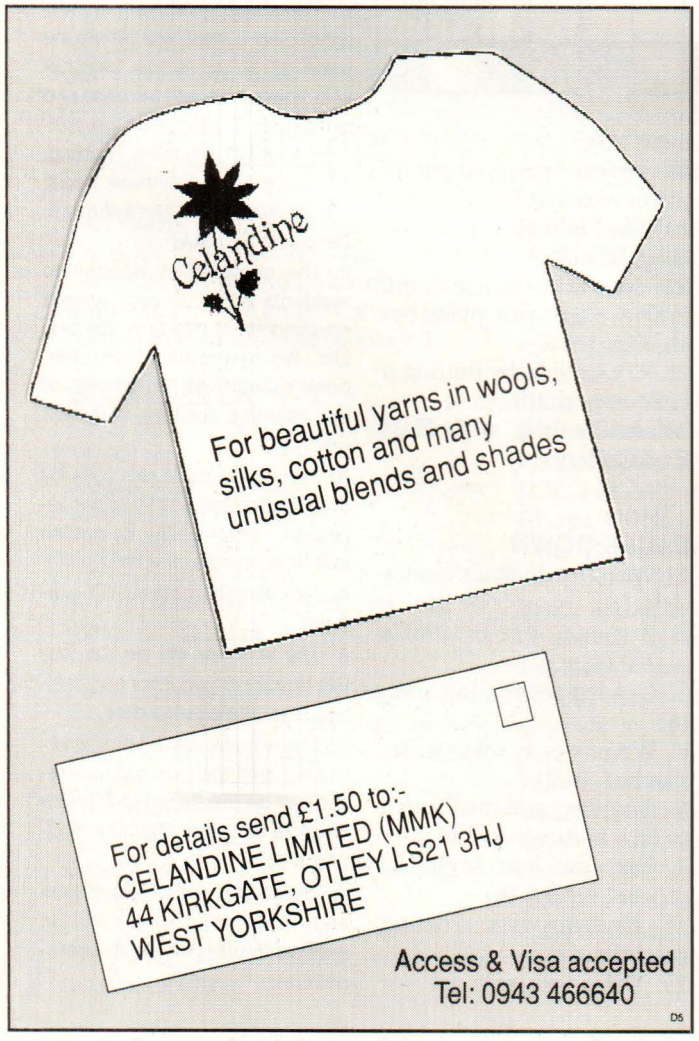


A = 35 [37.5, 40, 47.5, 52.5, 57.5] cm
B = 5 [5, 5, 7.5, 7.5, 7.5] cm
C = 41 [41, 42.5, 52.5, 55, 57.5] cm
D = 1.5 cm
E = 13 [14, 15, 15.5, 17.5, 18] cm
F = 6 [6, 7.5, 8.5, 10, 10] cm
G = 21.5 [21.5, 24, 25.5, 30, 32.5] cm
H = 25.5 [28, 33, 38, 40.5, 40.5] cm
I = 32.5 [35, 37.5, 45, 47.5, 50] cm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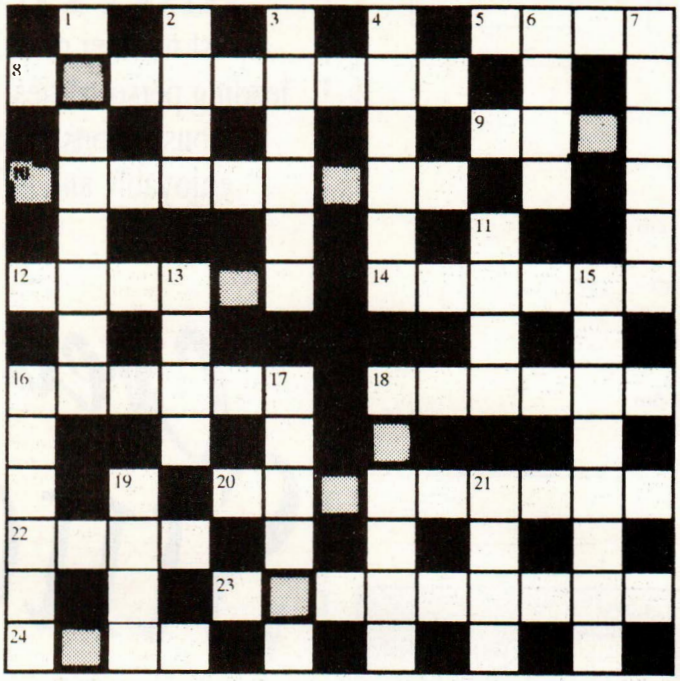
To enter our competition just solve the crossword in the usual way, with the help of the clues provided. When you have done this, you will find that the letters in the shaded squares, when re-arranged, will form something that soldiers found topping in the Crimea!



Put the word you have found on a postcard, or the back of a sealed envelope, add your name and address and send it to **September Winder Competition** at our address on page 3.

If you are not one of our lucky prizewinners, you can obtain further information or a catalogue from **P.D.B. Engineering Ltd., 51/53 Robert Street, Northampton. Telephone 0604-35937.**

CLUES ACROSS

5 and 9 Across. Craftily wink at 'er - having this on? (8)
8. So I'm entangled with laces or underbodices. (9)
10. Group of crochet workers doing hard labour? (5.4)
12. Curtain material let out can cause rash! (6)
14. Chatter when your pattern gets curtailed. (6)
16. South East one of five which decorates your garment. (6)
18. No beer sorry, so put on your dress. (6)
20. Sh! I'm belle - make me more beautiful. (9)
22. Material made from folded edge with plain beginning. (4)
23. Try to hide by putting a coat on perhaps! (5.4)
24. Make lace with East End Gallery. (4)

CLUES DOWN

1. Wool made from money only. (8).
2. Strange, I'm in 1960's outfit! (4)
3. Got leg around fastener. (6)
4. We in wordy jokes arise, stitched. (4.2)
6. Require - add the French to be a knitting one! (4)
7. Extreme fear found in crochet errors. (6)
11. Knitting arts creating celebrity. (4)
13. Disorderly rout yet pleasant trip perhaps! (4)
15. Produced a raised design with 'em ordered about! (8)
16. Put your titfer in the ground, see if I care! (2.4)
17. North replaces thimble heads - very agile. (6)
18. Sounds like smooth use of needle - be that as it may! (4.2)
19. Unfinished mitt under Eastern discharge. (4)
21. Yarn weaver to be ominously close! (4)

RULES

1. You should print your answer clearly on a postcard or on the back of an envelope together with your name and address and send it to: September Competition, Modern Machine Knitting, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW.
2. The competition is open to residents in the UK only, except employees of Modern Knitting Ltd., the magazine's typesetter, printer, distributor, employees of this month's sponsor and their relatives.
3. Your entry must reach us by 30th September 1994 and we accept no responsibility for entries lost or delayed in the post.
4. No cash alternative will be offered.
5. The winners will be the first five entries drawn from our postbag after the closing date.
6. The winners will be notified in writing and the competition result will be published in a future issue of Modern Machine Knitting.
7. The Editor's decision is final and no correspondence will be entered into regarding the competition.

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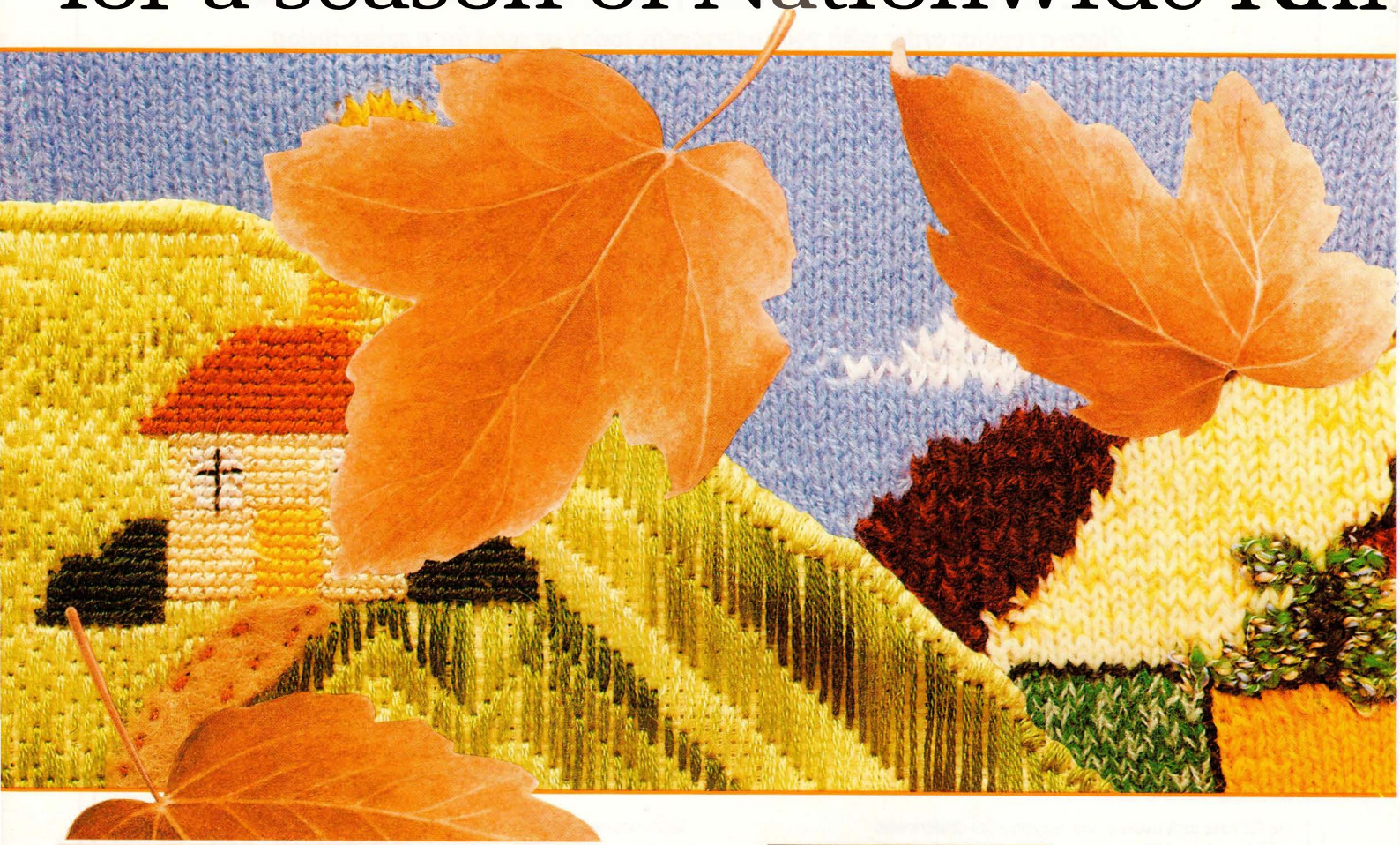

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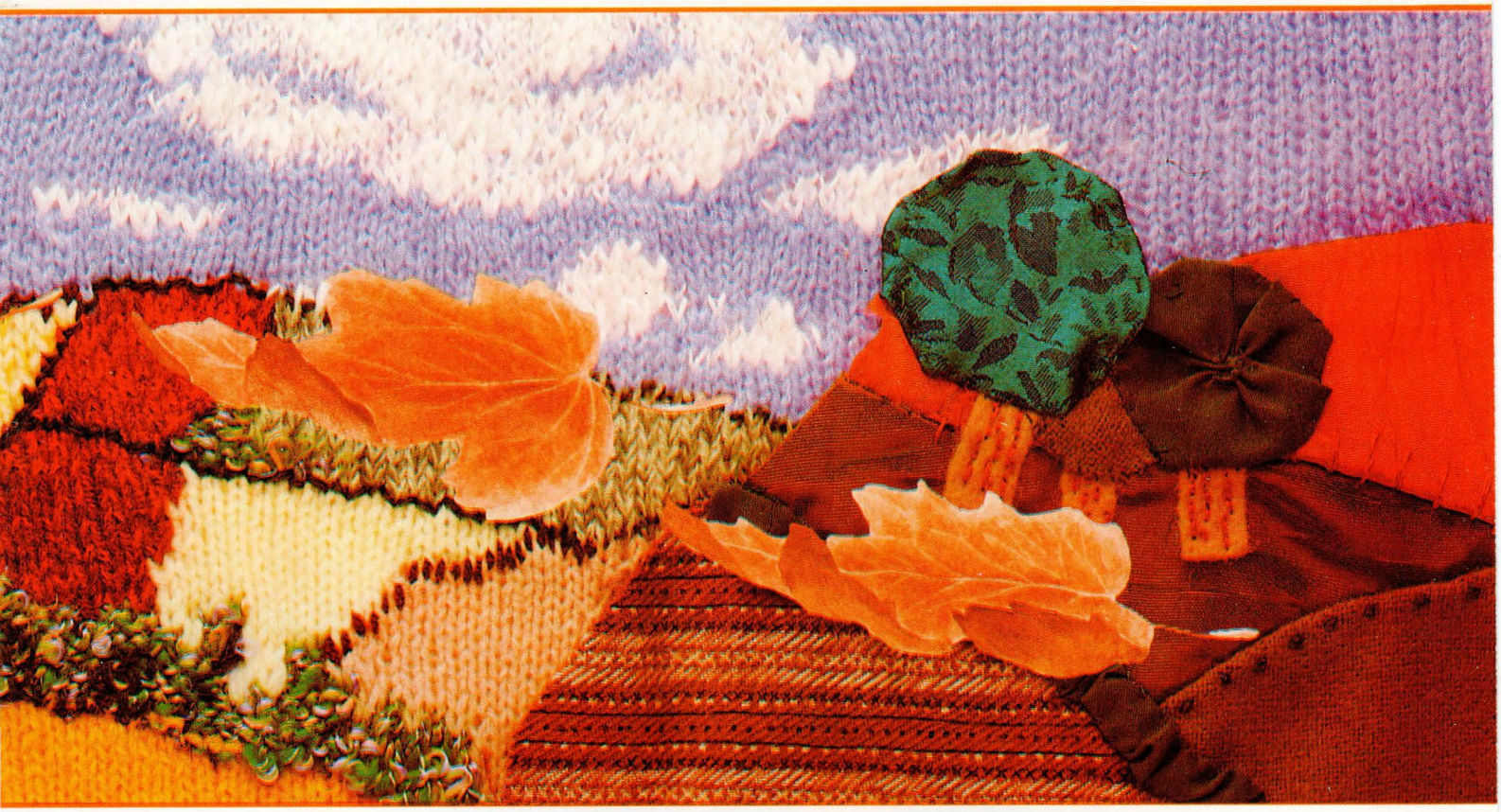

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Pattern 2

BORDERLINE DESIGNS

Knit this lovely shawl collar design in Celandine Dawn with Fair Isle borders and Sienna welts for cosy elegance

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS

Celandine Dawn.
(Yarn Guide No. 11.)
1 x 300g cone in Gold (MC).
A small amount in Black (B).
Celandine Sienna.
(Yarn Guide No. 7.)
A small amount in Cream (A).

GARMENT WEIGHT

Finished garment in first size weighs 190g.

The fibre content of Dawn is 70% Super Kid Mohair, 30% Nylon; Sienna is 50% Silk, 30% Cotton, 20% Acrylic. For further information about this yarn, please write to the following address:- Celandine Limited, 44 Kirkgate, Otley, West Yorkshire LS21 3HJ.

PATTERN INFORMATION

For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS

To fit bust 87 [92, 97, 102, 107, 112, 117, 122] cm, 34 [36, 38, 40, 42, 44, 46, 48] in.
Actual size 94 [100, 105, 110, 116, 121, 126, 132] cm, 37 [39½, 41½, 43½, 45½, 47½, 49½, 52] in.
Length to shoulder 57.5 [57.5, 58.5, 58.5, 60, 60, 61.5, 61.5] cm, 22½ [22½, 23, 23, 23½, 23½, 24, 24] in.
Sleeve seam 43.5 [43.5, 44.5, 44.5, 46, 46, 47, 47] cm, 17 [17, 17½, 17½, 18, 18, 18½, 18½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

25 stitches and 85 rows to 10 cm, 4 in measured over tuck stitch (tension dial approximately 3).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

BACK

Fair Isle Pattern: K 1 row B/A, 2 rows B only (st st), 5 rows B/A, 2 rows B only (st st) and 1 row B/A. These 11 rows form patt.

With carriage at right and using MT-3/MT-3 and MC, cast on 120 [128, 134, 140, 148, 154, 160, 168] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 2 rows. Using A, K 11 rows. Transfer sts for st st *. Set RC at 000. Using MT and MC, K 1 row. Transfer 3rd and every foll alt st on to adjacent N. Leave empty Ns in WP. Insert card 1 and lock on first row. K 2 rows. Release card and cont in Fair Isle patt. K 11 rows. Remove card. Insert card 2 and lock on first row. Cont in st st and MC. K 1 row. Transfer 3rd and every foll alt st on to adjacent N. Leave empty N in WP. K 1 row. RC shows 16. Release card and cont in tuck st. K 241 rows. RC shows 257. Place marker at each end **. K 196 [196, 204, 204, 218, 218, 230, 230] rows. RC shows 453 [453, 461, 461, 475, 475, 487, 487].

Shape Shoulders

Cast off 4 [4, 4, 5, 5, 5, 6, 6] sts at beg of next 10 [12, 6, 10, 12, 6, 10, 12] rows and 4 [5, 5, 5, 6, 6, 6, 7] sts at beg of foll 10 [8, 14, 10, 8, 14, 10, 8] rows. Cast off rem 40 sts.

FRONT

Work as for back to **. K 60 [60, 68, 68, 82, 82, 94, 94] rows. 136 rows less have been worked to shoulder than on back.

Shape Neck

Note patt row on card. Using a length of MC, cast off centre 20 sts. Using nylon cord, K 50 [54, 57, 60, 64, 67, 70, 74] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge on every 13th row until 40 [44, 47, 50, 54, 57, 60, 64] sts rem. K 6 rows.

Shape Shoulder

Cast off 4 [4, 4, 5, 5, 5, 6, 6] sts at beg of next and foll 4 [5, 2, 4, 5, 2, 4, 5] alt rows, K 1 row. Cast off 4 [5, 5, 5, 6, 6, 6, 7] sts at beg of next and foll 3 [2, 5, 3, 2, 5, 3, 2] alt rows, K 1 row. Cast off rem 4 [5, 5, 5, 6, 6, 6, 7] sts. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in tuck st. Finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right and using MT-3/MT-3 and MC, cast on 70 [70, 74, 74, 78, 78, 82, 82] sts at centre in 1x1 rib. Work as for back from * to *. Set RC at 000. Using MT and MC, K 1 row. Transfer 3rd and every foll alt st on to adjacent N. Leave empty Ns in WP. Insert card 1 and lock on first row. K 2 rows. Release card and cont in Fair Isle patt as given for back. K 10 rows. 22▶

Skirt, FRENCH CONNECTION. Earrings, LIBERTY.

Inc 1 st at each end of next row. Remove card. Insert card 2 and lock on first row. Cont in st st and MC. K 1 row. Transfer 3rd and every foll alt st on to adjacent N. Leave empty N in WP. K 1 row. RC shows 16. Release card and cont in tuck st. K 11 rows. Inc 1 st at each end of next and every foll 14th [14th, 14th, 14th, 14th, 14th, 13th, 13th] row until there are 116 [116, 120, 120, 128, 128, 136, 136] sts. K 10 [10, 18, 18, 2, 2, 9, 9] rows. RC shows 332 [332, 340, 340, 352, 352, 362, 362].
Cont in st st. K 1 row.
Cast off.

COLLAR

With carriage at right and using MT-3/MT-3 and MC, cast on 130 sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 2 rows. Using A, K 11 rows. Using MC, K 33 rows. K 1 row extra for second part.

Shape Neck Edge

Cast off 6 sts at beg of next and foll 8 alt rows, K 1 row. Cast off 8 sts at beg of next and foll 4 alt rows, K 1 row. Cast off 7 sts at beg of next row, K 1 row. Cast off rem 29 sts. K second part, reversing shapings by noting alteration in number of rows worked.

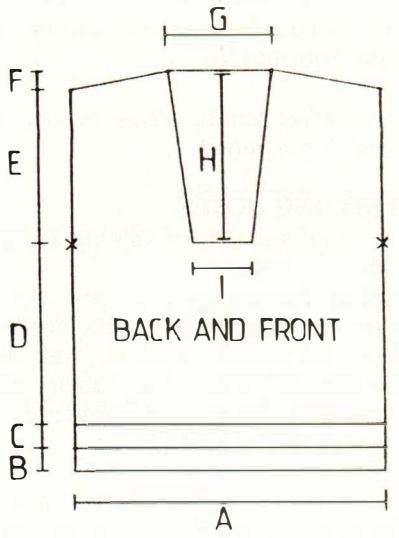
PRESSING

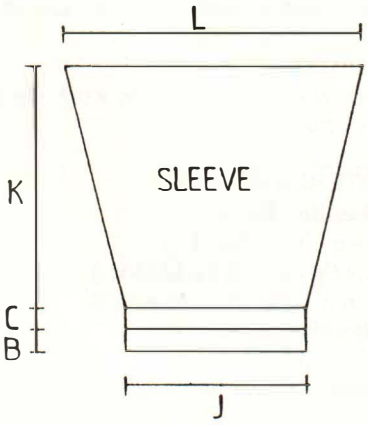
With wrong side facing, pin out all pieces to measurements given. Steam carefully.

MAKING UP

Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams. Join centre back seam of collar. Sew collar into position, lapping right over left.

A = 48 [51, 53.5, 56, 59, 61.5, 64, 67] cm
B = 3 cm
C = 3.5 cm
D = 28 cm
E = 23 [23, 24, 24, 25.5, 25.5, 27, 27] cm
F = 2.5 cm
G = 16 cm
H = 18.5 cm
I = 8 cm
J = 28 [28, 29.5, 29.5, 31, 31, 32.5, 32.5] cm
K = 37 [37, 38, 38, 39.5, 39.5, 40.5, 40.5] cm
L = 46 [46, 48, 48, 51, 51 54, 54] cm





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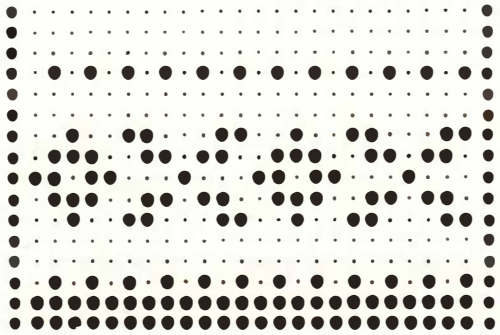

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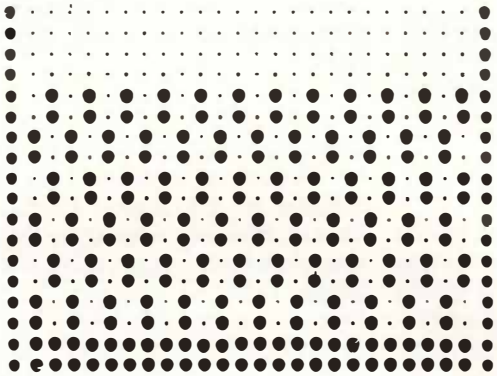

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Tuesday 6 September 1994

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Clubs, classes & courses

CITY & GUILDS IN BROMLEY

The Bromley Adult Education College are offering the City & Guilds Machine Knitting Course Part 1 on Mondays from 7pm to 9.30pm and a combined Part 1 and Part 2 on Thursdays from 9.30am to 3pm. The Preparing Working Designs unit, which is required if you want the full diploma, is offered as a separate course.

These courses start again in September and you can obtain further details and leaflets from Bromley Adult Education College, Princes Plain Centre, Church Lane, Bromley, BR2 8LD. Telephone 081-462 9184.

There are also classes for knitters not wishing to follow the City & Guilds course.

COURSES WITH ANNE KENT

Anne Kent is offering a variety of machine knitting courses this autumn, at various locations:

Lingfield, Surrey.
A course for intermediate and beginner knitters will run for six weeks on Monday afternoons. Telephone 0342-833893.

Oxted, Surrey.
Design a stitch pattern and garment in six weeks on Monday evenings. Telephone 0883-742115.

Smitham Centre, Coulsdon.
A new certificated course in design and machine knitting which is NOT suitable for beginners will run for 28 weeks on Wednesday evenings - there will also be homework. Telephone 081-763 1975.

South Norwood.
A 20 week course for beginners and intermediate knitters on Thursday afternoons. Telephone 081-656 0905.

For full details of any of the above courses, please send a stamped addressed envelope to Anne Kent, 23 Springfield, East Grinstead, West Sussex, RH19 2RT or telephone the individual centre.

CLASSES IN CULLODEN

A friendly informal class will be starting at the Culloden Academy Community Complex on Monday 5th September. This course will be starting at the very beginning with casting on and then work through about 20 lessons, with ribbers being introduced at lesson 18. Classes will meet from 7.30 to 9pm.

For more details please telephone Anne Lee on 0463 791102 or write to her at Holmknowe, 78 Culloden Road, Balloch, Inverness, IV1 2HH.

BURGESS HILL

Two machine knitting courses, plus a Saturday taster course for new knitters and those who have not even bought a machine yet, will be starting in October at Oakmeeds Community School. Telephone Oakmeeds on 0444-236355 or the tutor, Dawn Latter, on 0273-464821 for further information.

MAIDENHEAD

Here at magazine headquarters in our fully equiped workshop, Angela Gordon will be running two machine knitting courses starting in September.

Newcomers to machine knitting can learn all the basics and master their machines with confidence under Angela's guidance.

Experienced and dedicated knitters wanting to obtain the City & Guilds qualification can join this course, also under Angela's expert tuition.

For further details you may write to us here at the magazine or telephone Angela on 0929-551073.

See our workshops advert in this issue for details of our other one day courses on machine knitting and DesignaKnit.

KNITTING CLUBS

Dawn's Kwik-Knit Club, which meets on the fourth Sunday of every month at 2pm, has changed its venue to Fishergate Community Hall, West Road, Fishergate, Southwick, Sussex. This new venue has on-site parking, disabled access, library and home-made refreshments. Further details from Dawn Latter on 0273-464821.

A new machine knitting club has been formed in the **Middleton** area of **Manchester** and although they have got off to a flying start (thanks to their enthusiastic organiser, Sheila Davies), they would like to recruit new members.

The club, called the Jolly Jumpers Machine Knitting Club meets fortnightly on Wednesday evenings from 7.30 to 9.30pm at Alkrington Community Centre, Kirkway, Alkrington, Middleton, Manchester. Anyone interested in joining them can contact Mrs Sheila Davies on 061-653 8885 or Mrs Maureen Brown on 061-643 2377, or just turn up on club night, when you can be sure of a warm and friendly welcome.

Warrington Machine Knitting Club have been together for 20 years this autumn. To celebrate this event they are holding a Re-union Birthday Buffet and Get-Together on Friday 14th October in the Bold Street Methodist Church Building, where they meet twice a month.

They are hoping for as many past and present members as possible to join them in their celebrations. Any past member who would like to go along can telephone the organiser, Joyce Monks on 0925-658161 for further details.

COURSES

SWINDON COLLEGE

City & Guilds Machine Knitting Part 1 will be starting on 26th September. Classes to be held every Monday 6.30pm to 9.30pm.

Basic Machine Knitting will be held on Tuesdays from 7pm to 9pm commencing 27th September.

For further details please call the college on 0793-613313 or Beryl Henderson on 0793-521959.

HERTFORDSHIRE REGIONAL COLLEGE

Evening classes will be held at Cheshunt School on Tuesdays and Thursdays at 7.15pm.

Day classes at Windmill Lane, will be held for beginners on Tuesdays at 10.30am and a club will be held on Thursdays at 10.30am.

More information is available from Hertford Regional College, Broxbourne Centre, telephone 0992-466451 or from the course tutor on 0992-461236.

ASTLEY HIGH SCHOOL, SEATON DELAVAL

Machine knitting classes will be held on Wednesdays from 7pm to 8.45pm. Please telephone 091-2371784 for details.

RIDLEY HIGH SCHOOL, BLYTH

Machine knitting classes will be held on Thursdays from 7pm to 8.30pm. Please telephone 0670-352641 for details.

WAREHAM, DORSET

Angela Gordon will be teaching electronic knitting and computerised knitting in her newly refurbished workshop which has Brother, Silver Reed, Passap and Singer electronic knitting machines and IBM compatible computers. Courses are restricted to a maximum of three persons and private days can be arranged if you prefer. Further details are available by telephoning 0929-551073 with your name and address.

CLUBS

STAFFORD

The Stafford and District Machine Knitting Club meet on the first Wednesday of each month from 7.30pm to 10pm at the Centre for the Blind, North Walls. For further details please contact the organiser, Christina Cowan on 0785-713396.

BURGESS HILL

The South Down Machine Knitting Club meets on the second Monday of each month from 2pm to 4pm. Please contact Mrs Wendy Hutson on 0444-232339 for further information.

DESIGNAKNIT CLUB IN WAREHAM

A small group of computer users meet once a month to help each other with computer knitting problems and learn a bit more about the DesignaKnit program. Presently all members have Brother knitting machines. We would welcome users with other makes and should there be sufficient interest we will arrange to have a separate meeting for Brother, Silver Reed and Passap knitters. If you live in the area and would like to join us, please contact Angela Gordon on 0929-551073.

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D4

Pattern 3

POSY OF POPPIES

A beautiful hand crafted poppy design for cross stitch enthusiasts, knitted in Spectrum Linaria by Betty Barnden

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines.

MATERIALS
Spectrum Linaria 4-ply.
(Yarn Guide No. 11.)
1 [1, 1, 1, 1, 2, 2] x 500g cones in Cream (MC).
Spectrum Detroit Dinky DK.
(Yarn Guide No. 15.)
1 x 25g ball in Red, Inca, Black and Cosmos for embroidery.

GARMENT WEIGHT
Finished garment in first size weighs 405g.

The fibre content of Linaria is 100% Acrylic. This yarn is available by mail order only. Please contact Spectrum Yarns, Spa Mills, New Street, Slaithwaite, Huddersfield HD7 5BB. Telephone: 0484 843732.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 87 [92, 97, 102, 107, 112, 117] cm, 34 [36, 38, 40, 42, 44, 46] in.
Actual size 98 [104, 109, 115, 121, 126, 132] cm, 38½ [41, 43, 45½, 47½, 49½, 52] in.
Length to shoulder 70 [71, 71, 72, 72, 72, 72] cm, 27½ [28, 28, 28½, 28½, 28½, 28½] in.
Sleeve seam 42.5 [44, 45, 46.5, 46.5, 46.5, 46.5] cm, 17 [17½, 18, 18½, 18½, 18½, 18½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
21½ stitches and 75½ rows to 10 cm, 4 in measured over tuck stitch (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used purl side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Silver Reed Electronic Machines
Place needle 1 cam at centre 0. Press button 1 (right light on) and button 2 (left light on for 580 and SK840 machines or right light on for other models).
Brother Electronic Machines
Place pattern at each side of centre 0.

BACK
Push 108 [114, 120, 126, 132, 138, 144] Ns at centre to WP. * Insert card and lock on first row. Using MT and WY, cast on and K a few rows, ending with carriage at right. Set RC at 000. Using MT-2 and MC, K 6 rows. Using MT + 1, K 1 row. Using MT-2, K 6 rows. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Unravel WY when work is completed. Using MT, K 1 row. Set RC at 000. Release card and cont in tuck st *. K 340 rows. Place a marker at each end **. K 182 [190, 190, 198, 198, 198, 198] rows. RC shows 522 [530, 530, 538, 538, 538, 538]. Place a marker between sts 26 and 27 [27 and 28, 28 and 29, 29 and 30, 30 and 31, 31 and 32, 32 and 33] at left and right of centre 0. Cast off very loosely, taking yarn round the back of the gate pegs.

FRONT
Work as for back to **. Place a marker at centre 0. K 142 [150, 150, 158, 158, 158, 158] rows.
Shape Neck
Note patt row on card. Using nylon cord, K 60 [64, 68, 72, 76, 80, 84] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Using nylon cord, K 1 st at left by hand, taking N down to NWP on next and foll 19 alt rows. Cast off rem 28 [30, 32, 34, 36, 38, 40] sts very loosely, taking yarn round the back of the gate pegs. With carriage at right, unravel nylon cord over 48 [50, 52, 54, 56, 58, 60] Ns at left, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in tuck st. Finish to correspond with first side, reversing shapings. Unravel nylon cord over rem 52 [54, 56, 58, 60, 62, 64] Ns, bringing Ns back to WP. Using a length of MC, cast off very loosely, taking yarn round the back of the gate pegs.

SLEEVES
Push 60 [62, 62, 64, 64, 64, 64] Ns at centre to WP. Work as for back from * to *. K 40 [40, 50, 50, 50, 50, 50] rows. Shape sides by inc 1 st at each end of next and every foll 12th row until there are 104 [108, 108, 112, 112, 112, 112] sts. K 19 [17, 17, 15, 15, 15, 15] rows. RC shows 312 [322, 332, 342, 342, 342, 342]. Cast off very loosely, taking yarn round the back of the gate pegs.

EMBROIDERY
Work embroidery on front as follows:- Each diamond on the chart represents one 'cell' of the honeycomb tuck st. With P side facing, examine the st patt carefully, within each 'cell' are 2 sts, one above the other. All the embroidery sts are worked by passing the needle through the upper st. Use a blunt-ended tapestry needle. Work sts rather loosely so that knitting is not distorted. The marking thread at centre front is represented on the chart by a black dot. Begin embroidery at this point and work outwards, in backstitch and rows of crosses as indicated. Count the sts carefully. It is 28▶

Trousers, FRENCH CONNECTION.

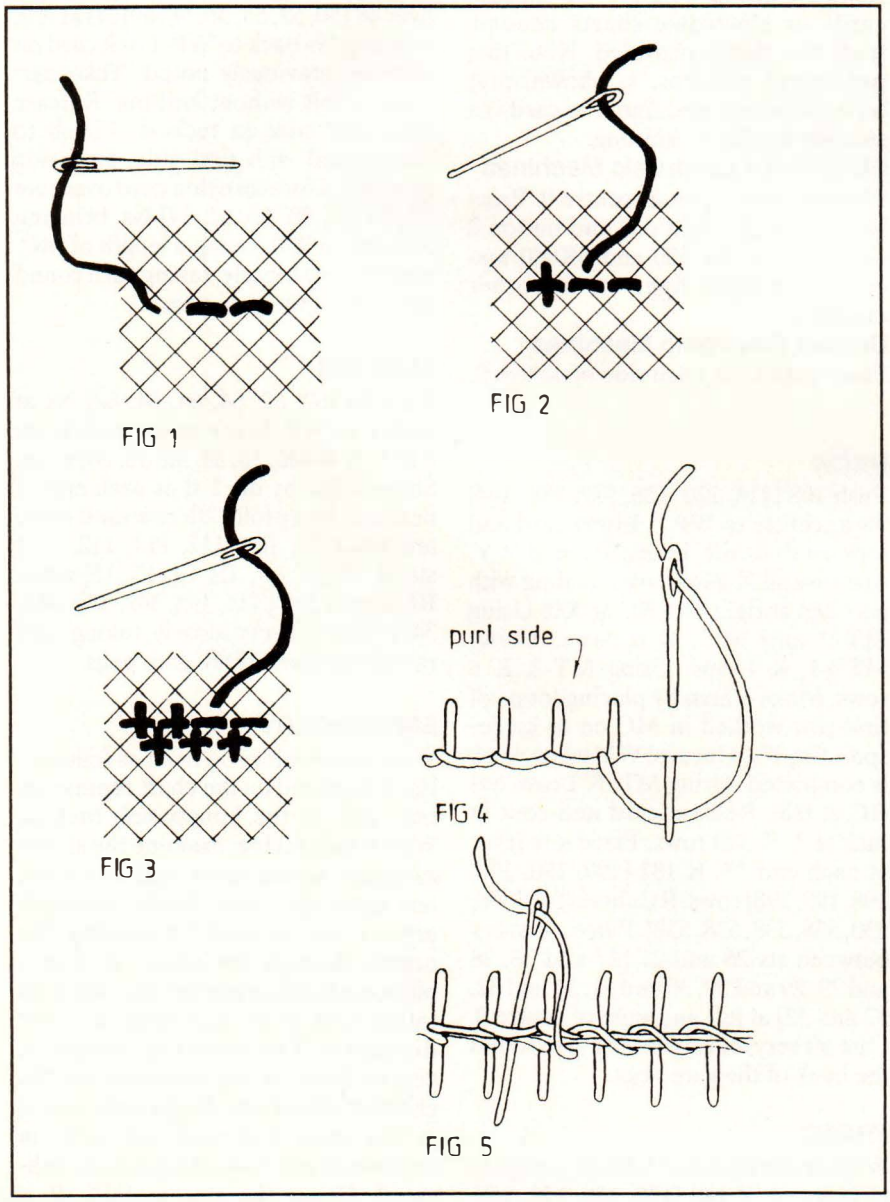
helpful to mark off the lines of crosses on the chart as you work them. To work a row of crosses: Begin at right of row and bring needle up through 2nd diamond from right, down through 1st diamond, up through 3rd and down through 2nd and so on along the row, making a line of backstitch (Figure 1). The number of backstitches equals the number of intersections on the chart. Then work back along the row, making a vertical st across each backstitch (Figure 2), passing needle through diamonds above and below intersections. Note that the next line of crosses above or below will be staggered, the backstitches being worked through the same holes as the vertical sts of the first row (Figure 3).

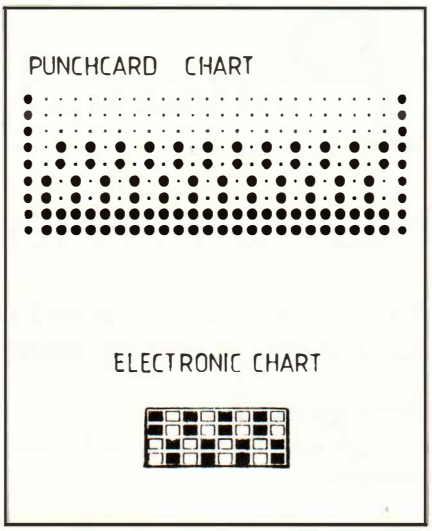
PRESSING

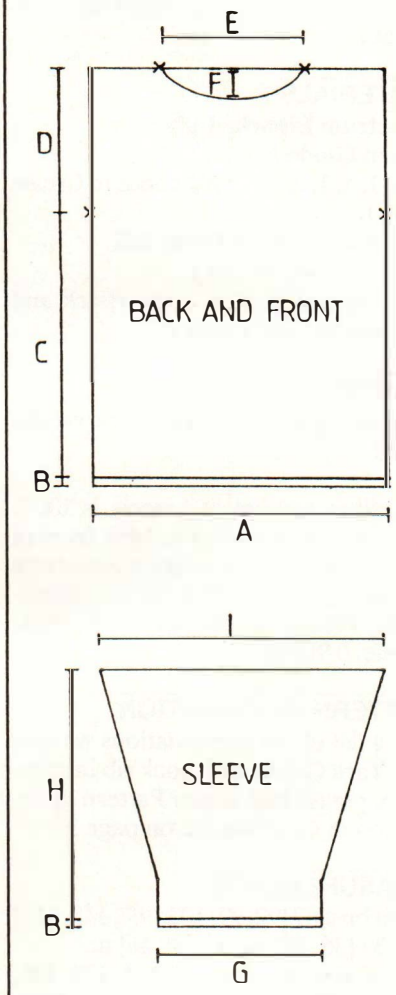
With wrong side facing, pin out all pieces to measurements given.
Press carefully, following instructions on cone band.

MAKING UP

Slip st shoulder seams tog. Using red DK, work a line of blanket st (Figure 4) along top edge of each sleeve. Make the sts about 1 cm deep and 1 cm apart. Working from wrong side and using MC, slip st sleeves in position between markers without catching the blanket st; do this quite loosely. Now, using red DK, work in blanket st along back armhole, back shoulder, neck and second back armhole edge, matching the placing of the sts on sleeve edge and working 3 sts in same place at each corner. Work round front armhole, shoulder and neck edges in the same way. With another length of red DK, overcast the tops of the blanket sts tog (Figure 5) on armhole and shoulder edges. Join side and sleeve seams in normal way. With red DK, work a row of blanket st all round each cuff and all round lower edge.

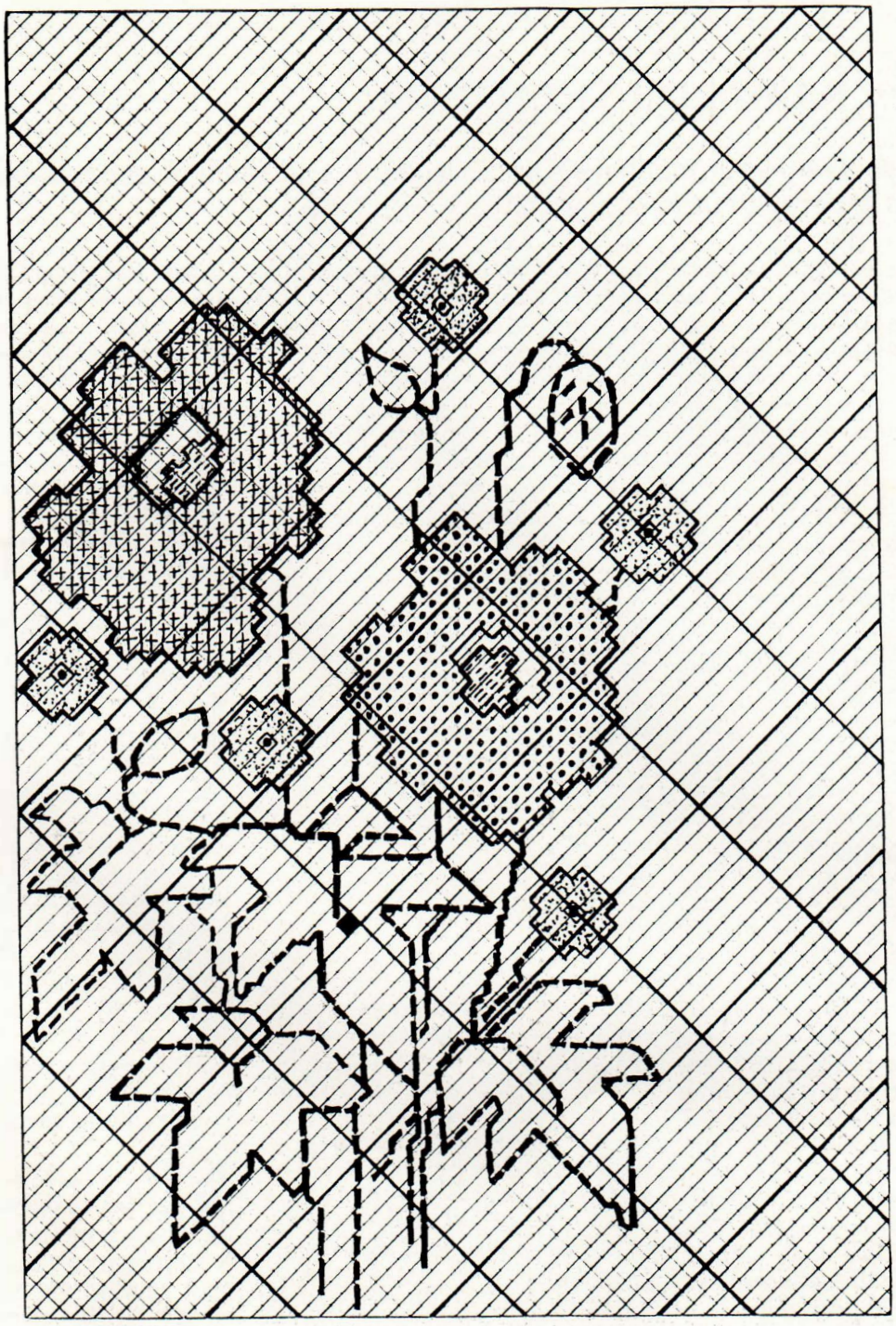






A = 50 [53, 55.5, 58.5, 61, 64, 66.5] cm
B = 1 cm
C = 45 cm
D = 24 [25, 25, 26, 26, 26, 26, 26] cm
E = 24 [25, 26, 27, 27.5, 28.5, 29.5] cm
F = 5 cm
G = 27.5 [28.5, 28.5, 29.5, 29.5, 29.5, 29.5] cm
H = 41.5 [43, 44, 45.5, 45.5, 45.5, 45.5] cm
I = 48 [50, 50, 52, 52, 52, 52] cm

EMBROIDERY CHART



= RED CROSSES

= COSMOS CROSSES

= BLACK BACKSTITCH

■ = CENTRE MARKING THREAD

= INCA CROSSES

= BLACK CROSSES

Helpline

Edited by KAMALINI TRENTHAM

Let us help you with your machine knitting queries. Our team of experts are here to advise on all aspects of machine knitting

Those of us who have been bitten by the machine knitting bug usually will not hear anything that is less than complimentary about out addiction. Can machine knitting be hazardous to us? Mr Robinson-Hanson's letter raises, I believe, a very valid consideration. He wrote to us from Nottingham.

'Not being easily susceptible to the noise of hand knitting needles, I convinced my wife a year or two ago, prior to her retirement from work, to try machine knitting. I am pleased to say she has taken to it splendidly. I also became interested in it.

We have found your magazine to be most helpful and it seemed only natural that we should write to you on a particular note, not so much as a hint, but something stronger, like starting a campaign.

Let me explain that on working at the machine, I became aware that now and again I started to cough and developed a raw throat, which is not too good at seventy years of age. So I wore a dust mask from my gardening equipment, which I have found to give me relief. Upon checking the last two year's copies of your magazine, I was surprised to find no mention of this has been made by anyone else. This made me wonder how many knitters were suffering like this or indeed had given up knitting because of it.

Reading an article recently in our local paper, relating to 'outworkers' and the lady being depicted working a knitting machine, I felt that probably it was time the idea of mask-wearing should be brought to the fore, may be even to the extent of suggesting that machine manufacturers include an introductory sample mask as a basic accessory with their machines.

I would be pleased to hear your opinion on the matter and if you think it would be worth your magazine's time to undertake publicising the voluntary use of masks and approach manufacturers suggesting the issue of a mask with each of their machines.'

Thank you, Mr Robinson-Hanson, for writing to us. We are delighted that you and your wife are enjoying machine knitting and that our magazine has been of help. I am sorry that you have had throat problems which seem to be caused by the yarn fibres that are shed while knitting, but am pleased that using a mask has helped and allowed you to continue enjoying machine knitting. Although I have not come across this personally, I do know of people who are allergic to certain fibres and have suffered similar symptoms as yourself because of it. Have you seen a doctor? Could you be allergic to some of the fibres you are working with?

I certainly think that it is worth further investigation. I do not know whether mask-wearing is a standard safety regulation in the knitting industry or not but I will find out and report. Meantime, I would like to hear from anyone who has had a similar experience. As for myself, I've been machine knitting for nearly twenty years now and have not experienced a similar or related problem, though I have often wondered how much of the shed fibre I breathe in!

The amount of fibres shed during machine knitting (some fibre is shed even when hand knitting) varies from yarn to yarn. Mohair and blends shed the most whilst mercerised cotton and smooth silks shed the least. Knitting with yarns which shed much less may help reduce the problem for Mr Robinson-Hanson and other sufferers.

Miss S. Lane of Bow, London is truly smitten by the machine knitting bug. She tells us:-

'I have had a Bond knitting machine for about 12 years and still enjoy it very much. I am disappointed however, with the lack of new patterns and the general disappearance of Bond machines in the UK. It would appear that the USA market has become Bond's new outlet with Mr Curry forgetting his thousands of faithful knitters in the UK. Any chance of an update on Bond UK and what the future has in store for Bond owners.

I have recently bought a Silver Reed SK860. I love this wonderful new machine and am enjoying myself 'playing' with this new 'monster' in my spare room.

I find your magazine a great help and I have already tried out several hand knitting patterns. I have one question and one request. First the question, what does it mean when a pattern states '2/30 or similar yarn' and what are people talking about when they say 'two or three ends'? Please could you explain.

Now the request, please could we have some patterns for the SK860, the double knitting gauge machine.'

Thank you, Miss Lane, for your letter and welcome to the 'Silver Reed family'. The best way to tame a monster is to spend time playing with it! I am so glad you are enjoying it. When I bought my first punchcard knitting machine, the SK321 in 1972, I did little for several months except play with it. Non machine knitters find it hard to understand how the best relaxation for me is to 'play' with my knitting machines.

I am sure there are many Bond knitters who may share your disappointment, so we rang Bond to get an update. I was unable to talk to Roger Curry but spoke to Lauren Chambers, Bond UK's Sales Manager. She assures me Bond UK is kicking and well and Mr

Curry has not forgotten his faithful UK knitters. They are however, now largely a mail order operation. So please write to them at 79 High Street, Witney, Oxfordshire OX8 6LR (or ring them on 0993 776761) for an update on accessories and so on. 'Bond Collection', a magazine for Bond knitters is published quarterly and an annual subscription costs £10.50.

Now to the mysteries of '2/30' and 'two or three ends'. The nomenclature used to specify the thickness of yarn for machine knitting is different than that used for hand knitting yarns. The thickness of hand knitting yarn is expressed as **a ply** which is simply the number of strands put together to make a strand of the yarn. Industrial yarns and yarns specifically manufactured for use on knitting machines use other systems to indicate the thickness of the yarn. There are three systems currently used by the industry but the one machine knitters encounter most is the **Indirect System**. The thickness of the yarn is expressed as a count instead of a ply. In this system, the count is the length of yarn in a given weight and therefore the more the length in the unit weight (count), the higher the count and finer the yarn and vice versa. The length and the weight units can vary from country to country. The information is usually supplied as number of plies/count, for example, 2/30 would mean two strands of a 30 count yarn. 2/30 will be a finer yarn than 2/20 and thicker than 2/40.

'Two or three ends' simply means using two or three strands of the yarn. Understanding yarn counts in relation to hand knitting yarns allows you to put strands together to create the thickness you need. For example, a hand knitting four-ply yarn is approximately 2/8. Two strands of 2/16 used together will knit almost like the hand knitting four-ply. It can be great fun to knit different coloured ends of thin yarns like 2/30's together. Two strands of 2/30 will be the same thickness as 2/15 and four strands will be near enough to 2/8.

I have passed on your request for patterns specifically suitable for the SK860 to our editor.

We'll be pleased to hear from anyone who has a specific query on any knitting machine, whether it be a standard, chunky, DK or fine gauge; manual, punchcard or electric model. Your questions might concern a knitting technique, patterning query, use of one of the accessories, or a general problem you are experiencing. Don't forget, it doesn't matter whether you are an experienced knitter or just starting out as a beginner to machine knitting - your query might help others too! Please send your letters to Modern Knitting Helpline, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW. We'll send a Modern Knitting binder to readers whose letters we publish.

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Pattern 4

SILVER REED INTERNATIONAL COLLECTION

A beautiful feminine cardigan with elbow length sleeves for the cooler sunny days of autumn

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for Silver Reed 6.5 mm double knitting machines.

MATERIALS
The original yarn used is not available in this country, but we suggest your own choice of **Thick Yarn**.
(Yarn Guide No. 17.)
Approximately 350 [400, 500]g in White (MY).
6 buttons.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82-87 [92-97, 102-107] cm, 32-34 [36-38, 40-42] in.
Actual size 101 [111, 122] cm, 40 [44, 48] in.
Length to shoulder 49.5 [51.5, 53.5] cm, 19½ [20½, 21] in.
Sleeve seam 18.5 cm, 7½ in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
22 stitches and 30 rows to 10 cm, 4 in measured over tuck stitch pattern (tension dial approximately 6).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used purl side of knitting as right side of garment.
When shaping in HP, always take yarn round first inside N in HP to prevent a hole forming.

BACK
Push 103 [115, 127] Ns to WP. * Using MT and WY, cast on and K a few rows, ending with carriage at right. Push Ns to HP. Using MY, cast on by hand. Push Ns to UWP. Set RC at 000. Using MT-2, K 14 rows. Drop every alt st and pick up as for ribbing *. Set RC at 000. Using MT, cont in tuck st patt from chart. K 22 rows. Shape sides by inc 1 st at each end of next and every foll 12th row until there are 113 [125, 137] sts. K 5 rows. RC shows 76.

Shape Armholes
Cast off 4 sts at beg of next 2 rows. Dec 1 st at each end of every row until 97 [105, 113] sts rem, then on every foll alt row until 85 [93, 101] sts rem. K 44 [48, 52] rows. RC shows 138 [144, 150].

Shape Shoulders
Cast off 5 [6, 7] sts at beg of next 2 rows.

Shape Neck
Using nylon cord, K 50 [53, 56] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge on every row and, AT THE SAME TIME, cast off 5 [6, 7] sts at beg of next and foll 2 alt rows, K 1 row. Cast off rem 4 sts. With carriage at right, unravel nylon cord over 25 Ns at right, bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at left, unravel nylon cord over rem Ns, bringing Ns back to WP. Finish to correspond with first side, reversing shapings.

LEFT FRONT
Push 57 [63, 69] Ns to WP. Using MT and WY, cast on and K a few rows, ending with carriage at right. Push Ns to HP. Using MY, cast on by hand. Push Ns to UWP. Counting from left edge, place a marker on 15th N. Set RC at 000. Using MT-2, K 14 rows in K 1, P 1 rib, dropping sts and shaping point as shown on diagram. 51 [57, 63] sts. Set RC at 000. Using MT, cont in tuck st patt from chart. Push 11 Ns at left to HP, K 1 row. Push 37 [43, 48] Ns at right to HP, K 1 row. * Push 2 inside Ns at left from HP to UWP, K 1 row. Push 4 [4, 5] inside Ns at right from HP to UWP, K 1 row. Rep from * once more. ** Push 1 inside N at left from HP to UWP, K 1 row. Push 4 [5, 5] inside Ns at right from HP to UWP, K 1 row. Rep from ** 4 times more. Push 2 Ns at left from HP to UWP, K 1 row. Push 9 [10, 13] Ns at right from HP to UWP, K 21 rows. Shape side by inc 1 st at right edge of next and every foll 12th row until there are 56 [62, 68] sts. K 5 rows. RC shows 92.

Shape Armhole
Cast off 4 sts at beg of next row, K 1 row. Dec 1 st at armhole edge of every row until 48 [52, 56] sts rem, then on every foll alt row until 42 [46, 50] sts rem. K 23 [27, 31] rows.

Shape Neck
Cast off 6 sts at beg of next row, K 1 row. Cast off 2 sts at beg of next and foll alt row, K 1 row. Dec 1 st at beg of next and every foll alt row until 24 [28, 32] sts rem.

Shape Shoulder
Cast off 5 [6, 7] sts at beg of next and foll 3 alt rows, K 1 row. Cast off rem 4 sts.

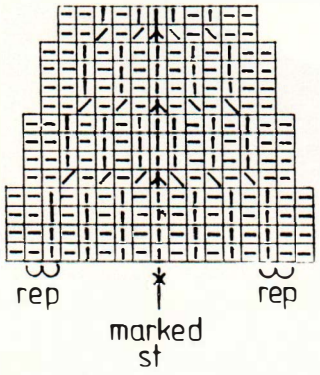
RIGHT FRONT
Work as for left front, reversing shapings by reading left for right and right for left.

SLEEVES
Push 71 [75, 79] Ns to WP. Work as for back from * to *. Set RC at 000. Using MT, cont in tuck st patt from chart. K 2 rows. Shape sides by inc 1 st at each end of next and every foll 5th row until there are 89 [93, 97] sts. K 2 rows. RC shows 45.

Shape Top
Cast off 4 sts at beg of next 2 rows. Dec 1 st at each end of every row until 67 [73, 79] sts rem, then on every foll alt row until 37 [35, 33] sts rem, then on every row until 23 sts rem. Cast off.

NECKBAND
Join shoulder seams. Push 105 Ns to WP. Work as for back from * to *. With K side facing, pick up sts around

34▶



KEY

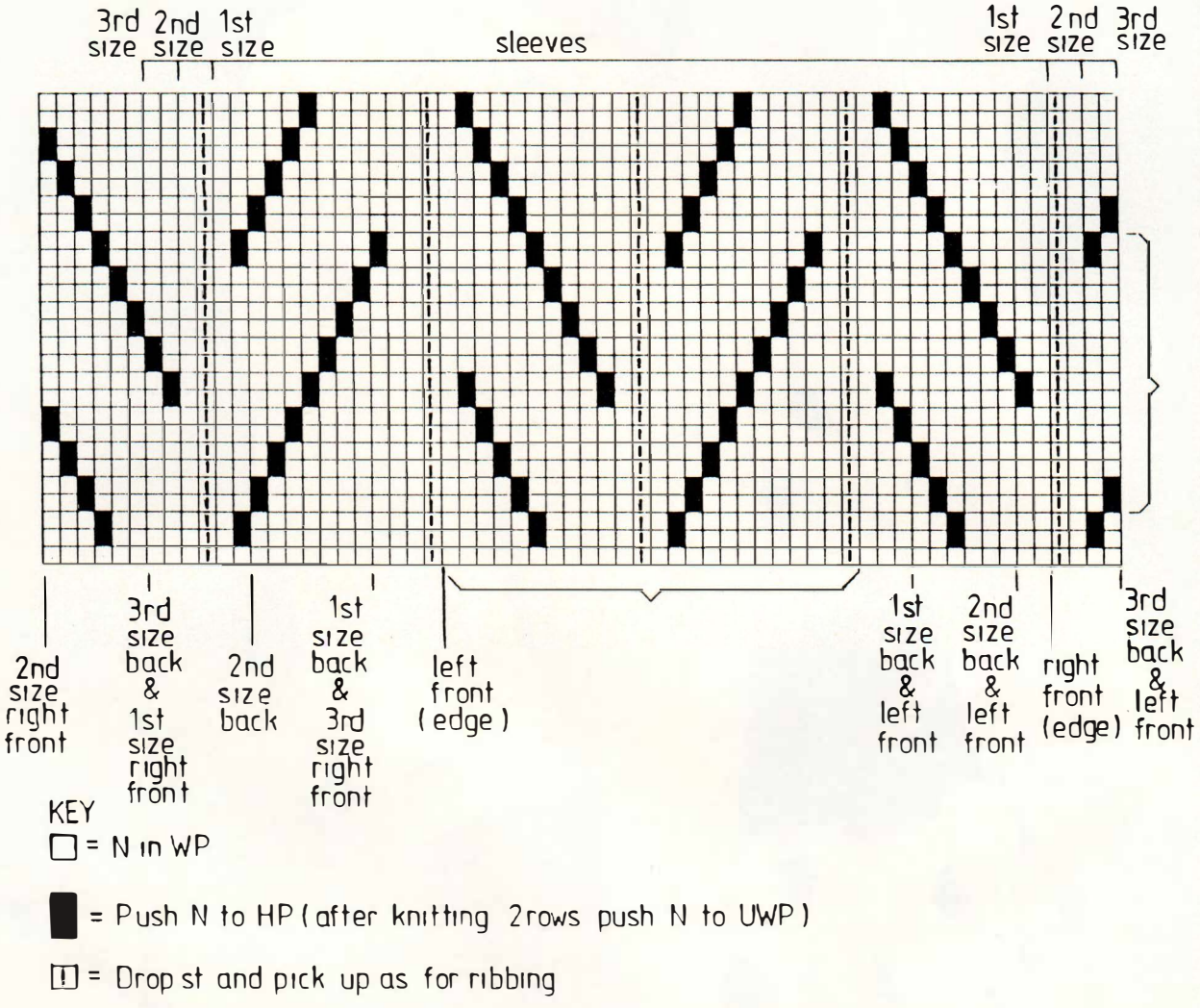
= Knit st (drop st and pick up as for ribbing)

= Purl st

= Move adjacent sts to centre (marked st)

= Move sts to right

= Move sts to left



KEY

= N in WP

= Push N to HP (after knitting 2 rows push N to UWP)

= Drop st and pick up as for ribbing

neck edge and place on to Ns. Unravel WY. Using MT, K 1 row. Cast off.

BUTTONHOLE BAND

Push 103 [107, 111] Ns to WP. Using MT and WY, cast on and K a few rows, ending with carriage at right. Push Ns to HP. Using MY, cast on by hand. Push Ns to UWP. Set RC at 000. Using MT-2, K 7 rows. Drop every alt st and pick up as for ribbing. Counting from right edge, make eyelet buttonholes over 4th and every foll 18th [19th, 20th] N. K 7 rows. Drop every alt st and pick up as for ribbing. Using MT, K 1 row. Using WY, K a few rows and release from machine.

BUTTON BAND

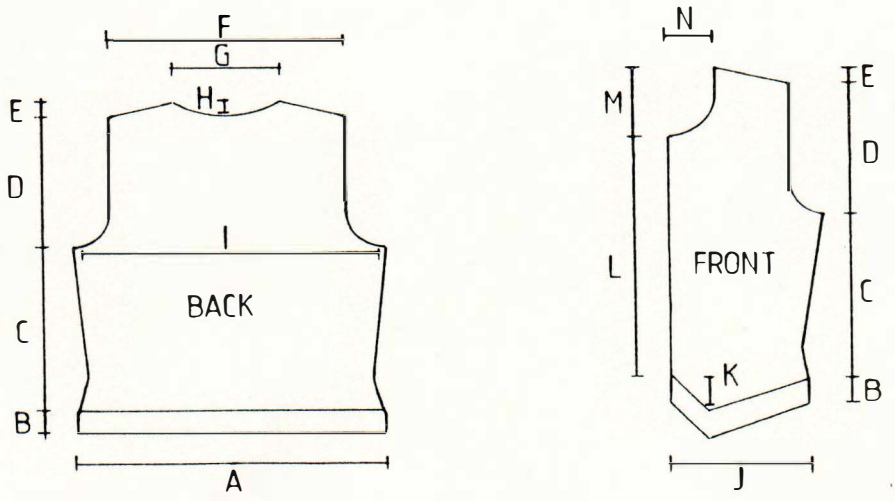
Work as for buttonhole band, omitting buttonholes.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press with a steam iron.

MAKING UP

Join side and sleeve seams. Set in sleeves. Pin front bands into position. Unravelling WY as required, back-stitch through open loops of last row worked in MY. Sew on buttons.



A = 46.5 [52, 57.5] cm
B = 3.5 cm
C = 25.5 cm
D = 20.5 [22.5, 24.5] cm
E = 2.5 cm
F = 38.5 [42, 45.5] cm
G = 17 cm
H = 2 cm
I = 51 [56.5, 62] cm
J = 23 [25.5, 28.5] cm
K = 5 cm
L = 39 [41, 43] cm
M = 9.5 cm
N = 8 cm
O = 32 [34, 35.5] cm
P = 15 cm
Q = 15 [17, 19] cm
R = 40 [42, 44] cm

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Pattern 5

FINISHING TOUCH - TRADITIONAL INTARSIA

A casual look from a traditional favourite. A simple design, made even quicker for owners of the AG50, knitted in Many a Mickle Lambswool

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for Silver Reed standard gauge electronic machines with AG50, PE1 and ribber. This pattern can be knitted on all standard gauge machines with manual intarsia facility and a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS

Many A Mickle 4-ply Pure Wool.
(Yarn Guide No. 11.)
1 x 500 [500, 750, 750, 750, 750]g cone in Aran (MC).
1 x 250g cone in Amber (A).
1 x 250g cone in Linden (B).

GARMENT WEIGHT

Finished garment in second size weighs 540g.

The fibre content of this yarn is 100% Wool. For further information about this yarn, please write to the following address:- Many A Mickle, Brier Hey, Mytholmroyd, Hebden Bridge, West Yorkshire HX7 5PF.

PATTERN INFORMATION

For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS

To fit bust 82 [87, 92, 97, 102, 107] cm, 32 [34, 36, 38, 40, 42] in.
Actual size 100 [104, 109, 114, 118, 124] cm, 39½ [41, 43, 45, 46½, 49] in.
Length to shoulder 68 cm, 27 in.
Sleeve seam 47.5 cm, 19 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

29 stitches and 38 rows to 10 cm, 4 in measured over stocking stitch and intarsia (tension dial approximately 6). Make separate tension swatches for stocking stitch and intarsia and match the tensions.

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Before knitting, prepare any electronic sheets needed, from the chart marking colour A on one mylar sheet and colour B on another.

Electronic Machines with AG50 and PE1

Read into PE1 the prepared electronic sheets plus one blank sheet for background colour as three colour jacquard (total pattern is 120 rows x 60 stitches).
The knitted rows refer to each complete row of pattern **not** individual passes for each colour.
Twist yarns as described in the AG50 manual, or this month's Finishing Touch article.
Work colours according to intarsia chart.

Machines with Manual Intarsia Facility

Always twist yarns together when changing colours in intarsia to prevent a hole forming.
Work from intarsia chart, repeating pattern across full width.

BACK

With carriage at right, set machine for 2x2 rib (2x1 N arrangement). Push 73 [76, 79, 84, 87, 91] Ns at left and 73 [76, 79, 83, 86, 91] Ns at right of centre 0 to WP. 146 [152, 158, 167, 173, 182] Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 2x2 rib (2x1 N arrangement). Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT-4/MT-4, K 12 rows. Using B, K 2 rows. Using MC, K 12 rows. Using B, K 2 rows. Using MC, K 12 rows. Transfer sts for st st.

1st, 2nd and 3rd Sizes

Inc 1 st at each end.

4th and 5th Sizes

Inc 1 st at right edge.

All Sizes

148 [154, 160, 168, 174, 182] sts *. Set RC at 000. Using MT, K 136 [132, 128, 122, 118, 112] rows. Place marker at each end. K 90 [94, 98, 104, 108, 114] rows.
RC shows 226.

Shape Neck

Using a length of MC, cast off centre 22 sts. Push 63 [66, 69, 73, 76, 80] Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 8 sts at beg of next row, K 1 row. Cast off 7 sts at beg of next row. 48 [51, 54, 58, 61, 65] sts. K 2 rows. Cast off. With carriage at left, push 63 [66, 69, 73, 76, 80] Ns at left from HP to UWP and finish to correspond with first side, reversing shapings.

FRONT

Work as for back to *. Set RC at 000. Using MT, cont in intarsia patt. K 136 [132, 128, 122, 118, 112] rows. Place marker at each end. K 62 [66, 70, 76, 80, 86] rows.

Shape Neck

Using a length of MC, cast off centre 22 sts. Shape both sides at the same time (as described in Finishing Touch). Cast off 3 sts at neck edge on next and foll 2 alt rows. Dec 1 st at neck edge on foll 6 alt rows. 48 [51, 54, 58, 61, 65] sts on each shoulder. K 17 rows. Cast off.

38▶

Jeans, FREEMANS. Earrings, ACCESSORIZE.

SLEEVES

With carriage at right, set machine for 2x2 rib (2x1 N arrangement). Push 34 [36, 37, 39, 40, 42] Ns at left and 34 [35, 37, 38, 40, 41] Ns at right of centre 0 to WP. 68 [71, 74, 77, 80, 83] Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 2x2 rib (2x1 N arrangement). Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT-4/MT-4, K 8 rows. Using B, K 2 rows. Using MC, K 8 rows. Using B, K 2 rows. Using MC, K 12 rows. Transfer sts for st st.

1st and 3rd Sizes

Inc 1 st at each end.

2nd, 4th and 6th Sizes

Inc 1 st at right edge.

All Sizes

70 [72, 76, 78, 80, 84] sts. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every 4th [3rd, 3rd, 3rd, 3rd, 3rd] row until there are 130 [92, 104, 130, 152, 172] sts, then on every foll 4th row until there are 148 [154, 160, 168, 174, 182] sts. K 2 [4, 4, 4, 6, 6] rows.

RC shows 158.

Cast off.

COLLAR

With carriage at right, set machine for 2x2 rib (2x1 N arrangement). Push 191 Ns on each bed to WP. Arrange Ns for 2x2 rib (2x1 N arrangement). Using MT/MT and MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. K 1 row. Set russel levers to I. Push the right N of each pair on the ribber to HP, K 1 row. Set russel levers to II, K 1 row. Set russel levers to I. Push the left N of each pair on the ribber to HP, K 1 row. Set russel levers to II, K 1 row. * Set russel levers to I. Push the right N of each pair on the ribber to HP, K 2 rows. Set russel levers to II, K 2 rows. Set russel levers to I. Push the left N of each pair on the ribber to HP, K 2 rows *. Set russel levers to II, K 2 rows. Rep from * to * once more. Set russel levers to II, K 20 rows. Using MT-1/MT-1, K 40 rows. Using MT-2/MT-2, K 20 rows. Using MT-1/MT-1, K 11 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

MAKING UP

Join shoulder seams.

Set in sleeves between markers. Join side and sleeve seams.

Join collar seam.

Pin collar into position.

Unravelling WY as required, back-stitch through open loops of last row worked in MC.

MMK CLUB DIRECTORY

To: The Editor, Modern Machine Knitting, 17 Grove Park, Waltham Road, White Waltham, Maidenhead SL6 3LW

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Monthly date(s) of meetings .....

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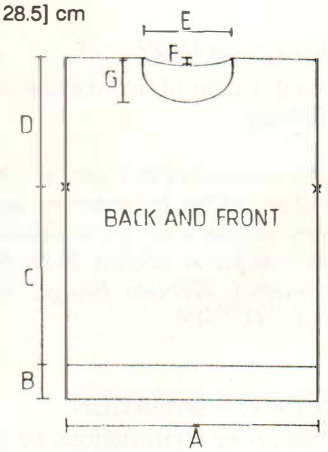
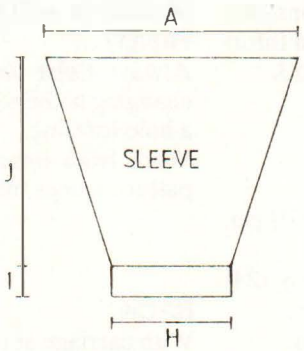
Please include only one entry on this form and print the details on plain paper if you prefer not to cut your magazine.

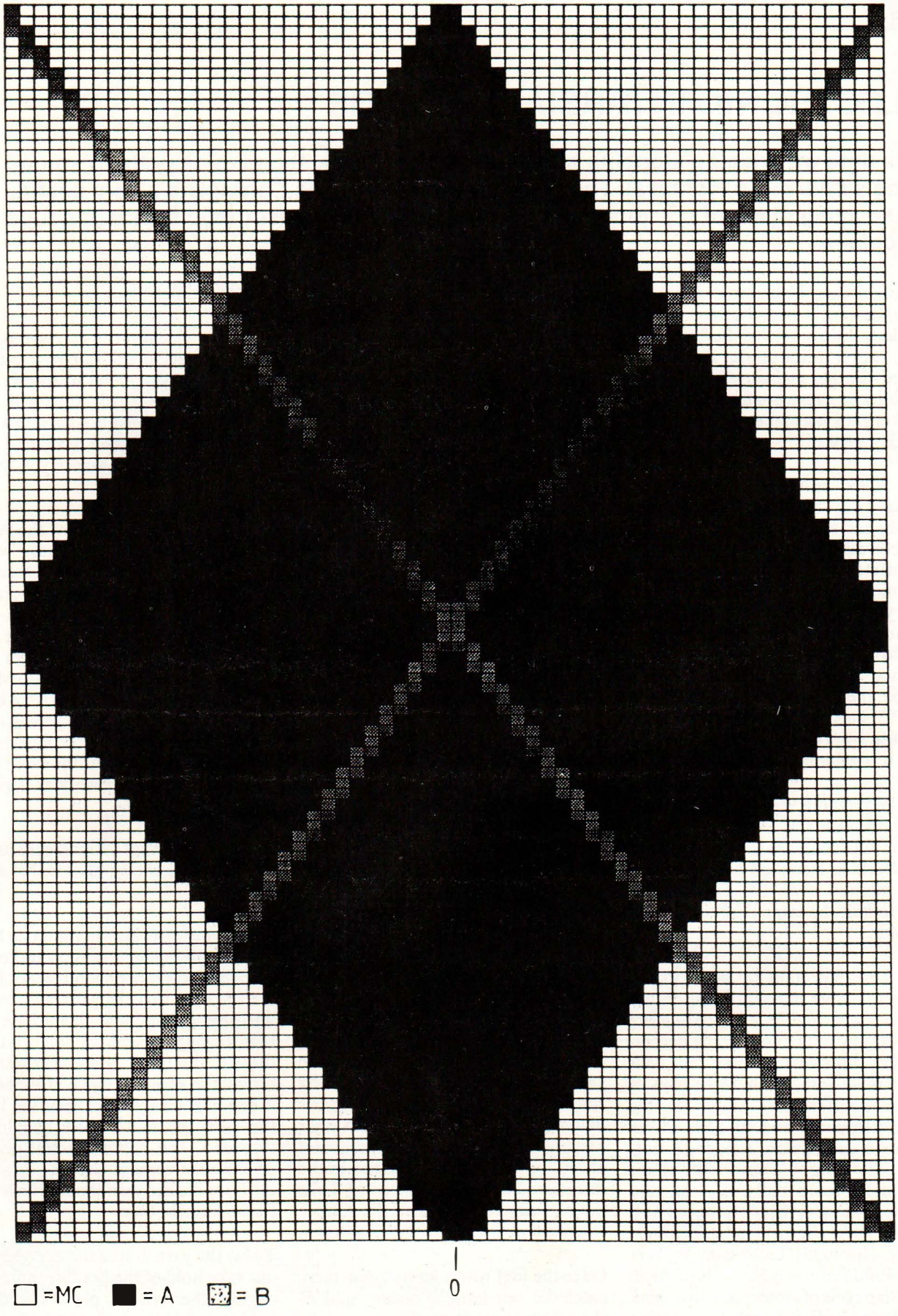
20129

A = 51 [53, 55, 57.5, 60, 62.5] cm
B = 7 cm
C = 35.5 [34.5, 33.5, 32, 31, 29.5] cm
D = 25.5 [26.5, 27.5, 29, 30, 31.5] cm
E = 18 cm
F = 1.5 cm
G = 9 cm
H = 24 [24.5, 26, 26.5, 27.5, 28.5] cm
I = 6 cm
J = 41.5 cm





INTARSIA CHART



Finishing touch

ELECTRONIC INTARSIA CARRIAGE

This time we are side-stepping slightly from our normal techniques path, to something a little more technical. The AG50 Electronic Intarsia Carriage is a very useful, time-saving piece of equipment for use with Silver Reed electronic standard gauge machines

I have always liked large geometric intarsia designs, both symmetrical and random 'splodges', but find the knitting rather tedious on a standard gauge knitting machine. Chunky and double knit gauge are no problem, the thicker yarn just makes the fabric grow quickly anyway.

The AG50 really speeds things up, doing away with following printed graphs and counting needles to ensure the correct colour goes on to the appropriate needles. The actual knitting technique is somewhat different to the one you will be used to, if you have knitted much intarsia by the manual method. There are five different methods of knitting intarsia with the AG50; the first two require the use of the PE1 Design Controller, the second two use a normal mylar sheet and the fifth is regular manual intarsia.

All the methods can be used in conjunction with the DesignaKnit program (full details are given in my Stage Six Working Notes). I have used the first method, with the DesignaKnit link, to knit the large diamond Argyll sweater.

It is very important to wind off the correct number of balls of yarn before you start working - let's not make more ends to sew in than are really necessary! For this sweater I used four balls of the main yarn, Aran, three balls of the first contrast yarn, Amber (for the large diamonds) and six balls of the second contrast yarn, Linden. A perfectionist might argue that there should be more balls of Aran and Amber because these colours are broken up by the Linden lattice work. To be absolutely technically correct you would require eight balls of Aran and Nine balls of Amber and just think of all the ends you will be creating unnecessarily. The Linden spans only one or two needles and this is, in my opinion, a perfectly acceptable float length even for intarsia work.

The cast on and rib are worked with the regular knitting carriage and you must then change to the AG50. To avoid breaking off the main yarn, unthread it from the tension mast and position the cone by your feet. Program the pattern in the PE1, position the point cams to the full width of the knitting and the N1 cam beneath the left point cam, so that you are ready to knit. Free pass the carriage to the opposite end of the work and work the first needle selection row towards the yarn end - the main yarn needles are selected first and you are at the correct side to lay it across the first batch of needles.

Lay the first end of yarn across the first group of selected needles, another end of main yarn across the next two groups, then another across the next two groups and a final end across the last group. The second and fourth groups of needles which remain in normal working position are the ones in Linden that we are going to allow the float to span (if you have wound off separate balls for every patch of main colour just lay one end of main yarn across each needle group).

Take the carriage across and the main yarn needles have knitted their first row, while the needles for the Amber diamonds are selected. Lay the Amber yarns across these needles - yarns must always be laid into the needles in the direction the carriage will travel. Take the carriage across to knit the Amber stitches and select the Linden stitches.

Once the first row is knitted, you must catch the yarn into the needle hook of the adjacent needle in the next colour to avoid gaping holes around the edges of each colour block.

As you can see three carriage passes are required to knit one row in three colours and you might be forgiven for thinking that surely this will take longer than one single pass with a normal intarsia carriage. I have tried both methods and I can assure you that it doesn't!

It is much quicker to allow the AG50 to sort out which needles take which colour, than reading a chart. Once you get into the rhythm of electronic intarsia knitting it is very therapeutic - the knitting becomes so automatic that your mind can wander on to your next design planning, or in my case, what I am going to write about and what is the quickest dinner I can produce, so that I can finish the front before meal preparation is necessary! At the same time you can admire your work as it grows almost effortlessly.

A couple of things I found very useful during the knitting should be mentioned.

Firstly, I use the Brother intarsia bobbins to give a slight tension on to the yarn and I do recommend these. They are the ones that the yarn is threaded into, through four holes in the base and then through a central hole and out through the tip. It is not necessary to thread the yarn through all four holes, it depends on the thickness, the finer the yarn the more holes should be threaded. The bobbin should just sit on the yarn without slipping down to the floor but the yarn should run freely through the bobbin.

To lay the yarn across the needles you just take hold of the bobbin and use it to guide the yarn into place. I hold the bobbin as I knit, gently tensioning the yarn if necessary. The yarns will not

become tangled, provided you do not twist them when picking up the bobbin.

The Tricot Intarsia Yarn Brake, if you have one, also works very well for tensioning the yarns and, because of the method of sealing the edges of yarns at their meeting point, adding new yarns does not mean a total rethread of the tension disks.

Shape both sides of the neckline at once instead of using hold. I use a fine circular hand knitting needle (the ones with a needle point at each end joined by a plastic tube) to remove the neckline stitches which would have been brought to holding position. Just take the AG50 across both sides of the work - it doesn't know you have put the centre needles out of work!

The sweater I have designed using the AG50 with Method 1 Intarsia is a fairly simple design, just right for getting used to a new piece of equipment. I have used a tuck stitch on the collar edge to get the width required for such a large, cosy, collar.

Although I have used only three colours for the sweater, the PE1 can be programmed for up to five colours. Should you wish to use more than five colours, you can, provided at least two colours are well separated by other colour stitches. Then, you can program the two colours on one mylar sheet, as one colour, but lay two separate colours across the selected needle batches. If your design has an even number of colours, you will have to read a blank mylar sheet to make the number of carriage passes an odd number, otherwise the yarn ends will be at the wrong side each time.

Do try some of the other methods, they are all equally interesting and provide a variety of different effects. Type II, which also requires the PE1, produces a type of three-colour Fair Isle which is really lovely.

One word of warning about the much hated subject of tension swatches! It is essential to knit a swatch with the AG50 and also with the main carriage where both are being used for a garment. In fact even if you were to knit the complete garment with the AG50, but threaded up the tension wires for the plain garment pieces, you would still achieve different tensions and therefore require two swatches. The tension exerted by the tension wires is quite different to that of the bobbins, yarn brake or hand tensioning. If tensions differ, garment pieces WILL be different sizes!

If you haven't seen the AG50 working yet, ask for a demonstration at your local Silver Reed dealer and I am sure one will soon be added to your birthday/Christmas present list.

Angela Gordon

Angela Gordon Products

Working Notes

These Working Notes are devised to help the home knitter get the most from their DESIGNAKNIT computer software or problem areas of specific machines. They are written in Angela's popular, easy to understand manner and will take you through each Stage in a series of practical exercises.

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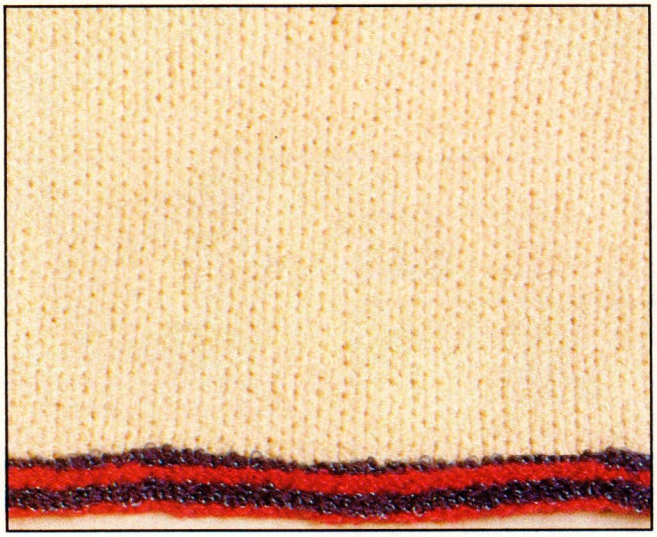
Trims, edgings and braids

MORE LATCH TOOL MAGIC

Some of the most effective trims are also some of the simplest and easiest to knit

SAMPLE 1
Shows a multiple chain cast-on with the latch tool before the knitting is started. The sample is knitted in three colours to illustrate the principle. Latch on first with colour A (blue in the sample), then with colour B (purple in the sample), again with colour A and finally with colour B. Knit with colour C (white in the sample). As there are four stitches on each needle the first row may be a little hard to knit. With certain yarns, it is possible to have more latch on rows, sometimes as many as eight, but with others the number of rows may have to be reduced. Another alternative approach is to knit the first row (after the latch ons) manually. This is a very firm edge suitable for cuffs, collars and neckbands.

SAMPLE 1



SAMPLE 2
Shows a row knitted between each cast on.

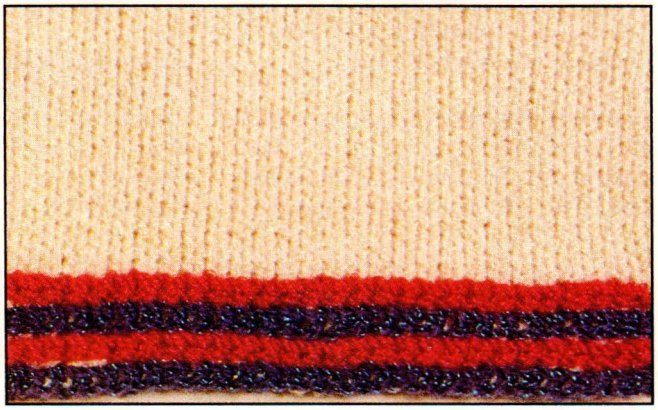
1. Cast on with colour A and knit one row with colour C.

2. Push all needles to hold position and push the work a little forward. Latch on with colour B at the back of the work for the chains to be on the knit side of the fabric. If you latch on in front of the work the chains will be on the purl side as shown in Sample 3. Knit one row with colour C.

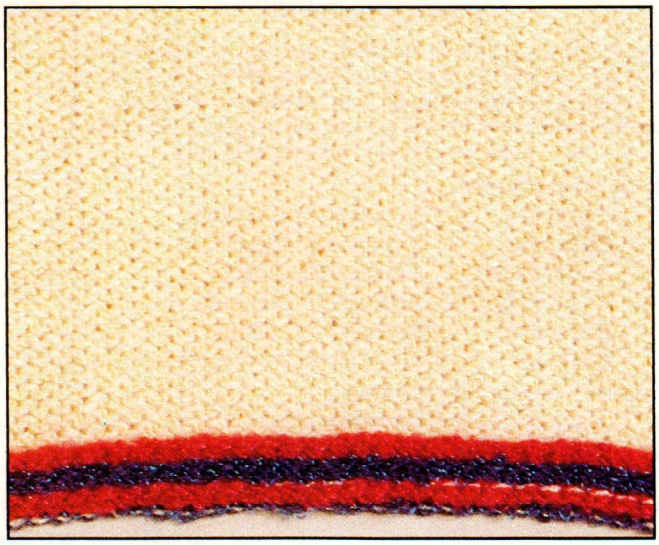
3. Push needles to hold position again and latch on with colour A behind the work. Knit one row with colour C. Push needles back to hold position and latch on with colour B at the back. Continue to knit with colour C. This trim has many uses from skirt hems to cuffs and collars.

Samples 4 and 5 show the development of new looks from the two basic techniques used, namely dropping stitches and multiple cast-ons. They are knitted in two colours but can be knitted in just one or several.

SAMPLE 2



SAMPLE 3



SAMPLE 4
1. Crochet cast on with colour B (contrast colour, blue in the sample). Keeping the first stitch on the needle, drop the next five stitches. Keep the next one and drop the following five. Repeat across the bed. There should be one needle with a stitch at the end. The needle set-up looks as illustrated.

| 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 |

| = Needles with stitch

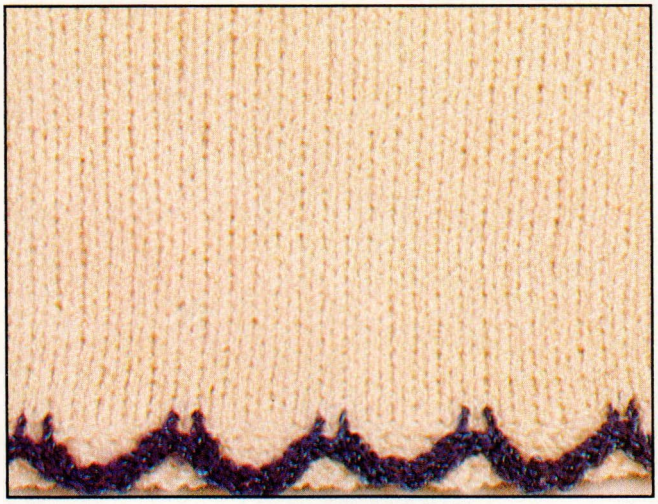
0 = Needles from which the stitch has been dropped

2. Bring needles to hold position and move the stitches a little forward. Crochet cast on with colour A (main colour, white in the sample) behind the work. The colour B stitch on the first and every following sixth needle lie in front of the colour A stitch. Knit one row with colour A.

3. Repeat step 2 once again.

4. Remove the fourth stitch on to a transfer tool. This is the centre needle of the group of five stitches dropped at step 1 to form the scallops. Pull adjacent needles a little forward. Holding the fabric with your left hand, reach down between the bed and the fabric with the transfer tool, holding the stitch and pick the loop from the centre of the scallop chain. You now have a loop and a stitch on the tool. Hang these on to the empty needle. Repeat for all the scallops. Continue to knit with the main colour.

SAMPLE 4



SAMPLE 5

Cast on and knit as for sample 4 until step 3.

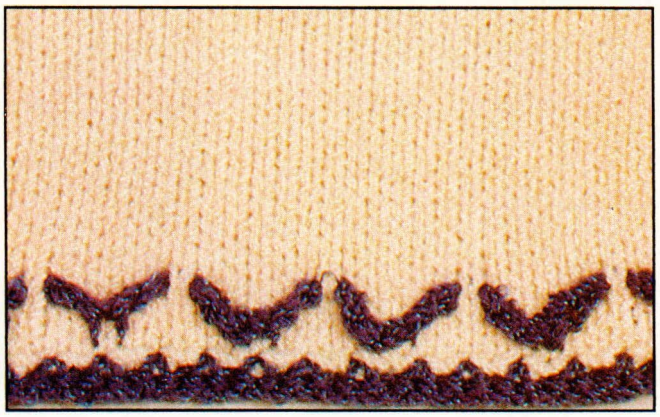
3. Knit three rows.

4. Same as step 4 of sample 4 but hang the chain of the scallop on the needle instead of just the loop from the centre chain.

5. The last step is knitted after the piece has been completed and removed from the machine. With the purl side towards the machine, pick up the first and every alternate chain from the cast on row at step 2 and hang on every other needle. Knit one row at main tension with the contrast colour yarn.

6. Knit one row at a very loose tension and cast off with the latch tool. The last row must be loose enough to have elasticity which is essential for the edge to lie evenly. If necessary, knit the last row by hand (see Trims, Edgings and Braids, August issue). A knitting machine linker, if you have one, can be used to cast off the stitches.

SAMPLE 5



If a linker is used for casting off, the last row must be knitted from right to left and therefore the first row at step 5 should be knitted from left to right.

Kamalini Trentham

30p

Pattern 6

CLASSIC ELEGANCE

The combinatiion of classic styling, a simple Fair Isle design and pure wool from King Cole - an elegant sweater by Betty Barnden

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS

King Cole Anti-Tickle 4-ply.
(Yarn Guide No. 11.)
1 x 500g cone in Black (MC).
King Cole Mosaics Anti-Tickle 4-ply.
(Yarn Guide No. 11.)
1 [1, 2, 2, 2, 2] x 250g cones in El Greco (C).
2.50 mm crochet hook.

GARMENT WEIGHT

Finished garment in first size weighs 490g.

The fibre content of these yarns is 100% Pure New Wool. For further information about this yarn, please write to the following address:- King Cole Limited, Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

PATTERN INFORMATION

For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS

To fit bust 87 [92, 97, 102, 107, 112] cm, 34 [36, 38, 40, 42, 44] in.
Actual size 92 [97, 102, 107, 111, 116] cm, 36½ [38½, 40½, 42, 44, 46] in.
Length to shoulder 68.5 [70, 71, 72, 73.5, 74.5] cm, 27 [27½, 28, 28½, 29, 29½] in.
Sleeve seam 44.5 [46, 47, 48.5, 49.5, 50.5] cm, 17½ [18, 18½, 19, 19½, 20] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

34 stitches and 40 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 8).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.

Silver Reed Electronic Machines

Place needle 1 cam between Ns 12 and 13 at left of centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK840 machines, or right light on for other models).

Brother Electronic Machines

Place pattern over centre 0.

BACK

With carriage at right and using MC, cast on 160 [168, 176, 184, 192, 200] sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-3/MT-3, K 20 rows. Transfer sts for st st. Insert card and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. Set RC at 000. Using MT, K 12 [18, 18, 22, 24, 28] rows. Shape sides by dec 1 st at each end of next and every foll 6th row until 136 [144, 152, 160, 168, 176] sts rem. K 5 rows. RC shows 84 [90, 90, 94, 96, 100]. Place a marker at each end. K 10 rows. Inc 1 st at each end of next and every foll 6th row until there are 160 [168, 176, 184, 192, 200] sts. K 13 rows. RC shows 174 [180, 180, 184, 186, 190].

Shape Armholes

Cast off 8 sts at beg of next 2 rows. Dec 1 st at each end of every row until 126 [134, 142, 150, 158, 166] sts rem, then on every foll alt row until 112 [116, 120, 124, 128, 132] sts rem *. K 55 [51, 51, 47, 47, 43] rows. RC shows 254 [260, 264, 268, 274, 278].

Shape Neck and Shoulders

Note patt row on card. Using a length of MC, cast off centre 40 [42, 44, 46, 48, 50] sts. Using nylon cord, K 36 [37, 38, 39, 40, 41] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge on every row and, AT THE SAME TIME, cast off 6 [6, 6, 7, 7, 7] sts at beg of next and foll 3 alt rows, K 1 row. Cast off rem 4 [5, 6, 3, 4, 5] sts. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

FRONT

Work as for back to *. K 15 [11, 11, 7, 7, 3] rows.

Shape Neck

Note patt row on card. Using a length of MC, cast off centre 8 [10, 12, 14, 16, 18] sts. Using nylon cord, K 52 [53, 54, 55, 56, 57] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next and foll alt row. Dec 1 st at neck edge of every row until 35 [36, 37, 38, 39, 40] sts rem, then on every foll alt row until 28 [29, 30, 31, 32, 33] sts rem. K 13 rows.

Shape Shoulder

Cast off 6 [6, 6, 7, 7, 7] sts at beg of next and foll 3 alt rows, K 1 row. Cast off rem 4 [5, 6, 3, 4, 5] sts. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES

Push 72 [72, 76, 76, 80, 80] Ns to WP. 48▶

Skirt, RICHARDS. Earrings, RIVER ISLAND.

Machine works

CARRIAGE SETTINGS - PART 1

Last month I wrote about setting up and checking the alignment of your ribber and how to make adjustments if necessary. This month and next I am writing about the carriage controls and how the main and ribber carriages relate to each other.

In all my teaching, in articles, in person and on video, I am very keen that knitters should learn what is going on and why. It may be possible just to follow the table in the ribber manual and knit successfully, but a lot of knitters find it difficult and, if you just do what the manual says, it doesn't put you in control. If you understand your machine and what you are expected to do and why, you are in control and far less likely to make mistakes.

This article is one to read at your machine. I am suggesting an exercise to be carried out on your machine. You won't be doing any knitting, just passing the carriages across on different settings and seeing what happens to the needles. For these exercises, if you have a punchcard machine the card reader should **not** have a card in it; and the Silver 890 and 860 electronics should be turned off.

Bring your ribber to its working position, put it on half pitch and bring some needles to working position on each bed. Remove the connecting arm. Now set the cam lever on the main carriage to 0 and pass the carriage across the bed. Watch how the needles move in a wave motion and see how far forward of the needlebed they come. They come so far forward that if they had stitches on them, as each needle moves forward the stitches would go behind the latch, yarn would be laid on the latch by the carriage and the stitch would be knitted off as the needle returns to working position.

Now, on the ribber carriage, put both set levers to 1. On the SPR60N ribber the autoset lever must be on 1 as well and on the FRJ70 and 80 ribber and the RJ1 carriage the select levers must be on 0. Pass the carriage across and you get the same wave motion - the ribber carriage is set to knit all needles.

I often refer to these settings for the main and ribber carriages (Figure 1) as setting the carriage to knit in both directions. This reminds both me and the knitter I'm teaching of what is happening. I think it also makes life a bit easier, as you already know how to set the main carriage to knit in both directions - that is what you are doing to knit stocking stitch, so you've only the ribber settings to learn. Here, of course, I am using the word 'knit' in a specific, not a general, sense. I'm using it to mean that every needle knits the stitch off. No needles are tucking or slipping; if they were, I would use the words 'tuck' or 'slip', not 'knit', as you'll see in a moment.

FIGURE 1

CARRIAGE SETTINGS FOR ZIG-ZAG ROW, CIRCULAR ROWS AND RIB

On electronics with a 'C' setting for the cam lever, the side levers are controlled by the cam lever; for these machines ignore the settings given for the side levers.

ZIG-ZAG ROW AND RIB (Both carriages knitting in both directions)

MAIN CARRIAGE	
Cam lever	0
Right side lever	▽
Left side lever	▽
RIBBER CARRIAGE	
Right set lever	1
Left set lever	1
Pick knob - standard gauge	⟵
Cam lever - Chunky	0
Autoset lever (SRP60N)	1
Select levers (SRJ70/80)	0

CIRCULAR ROWS

These settings can only be used when the card reader is empty on punchcard machines or, for the 860 and 890, when the machine is switched off.

	Clockwise	Anti-clockwise
MAIN CARRIAGE		
Punchcards and electronics with the same cam lever settings		
Cam lever	S	S
Right side lever	▽	0
Left side lever	0	▽
Electronics with 'C' setting	Not possible	C
RIBBER CARRIAGE		
Right set lever	0	1
Left set lever	1	0
Pick knob - standard guage	⟵	⟵
Cam lever - Chunky	0	0
Autoset lever SRP60N	1	1
Select levers SRJ70/80	0	0

So for plain ribs, both carriages are set to knit in both directions. It is also the setting you use for the first row when casting on (I call this row the zig-zag row).

Now let's look at the other possibilities. On the main carriage, on most machines, these possibilities rely on using the cam lever in combination with the side levers. On all punchcard machines and the Silver 860 and 890 electronics, the side levers can be manipulated by hand and there are two possible positions, 0 and ∇. On the standard- and fine-gauge Silver (and Knitmaster) electronics, the side levers are controlled by the cam lever and can't be manipulated by the knitter. Instead, there are extra settings on the cam lever to get the same effects as manipulating the side levers on other machines.

On punchcard machines and the 860 and 890, set the cam lever on the main carriage to slip and both side levers to 0. Pass the carriage across the needlebed twice. The needles hardly move at all; the carriage is slipping in both directions; if we had knitting on the machine, none of the needles would knit.

Now put one side lever on ∇. Pass the carriage across twice. In one direction the needles make the knitting movement and in the other, they slip. We've set the carriage to knit one way and slip the other; the side levers control this. The side lever on the leading edge of the carriage (the edge nearest the knitting at the beginning of the row) controls what happens on that row. When the cam lever is on slip and the side lever on 0, the carriage skips; when the side lever is on ∇, the carriage knits.

The electronics with the C setting slip one way and knit the other when the cam lever is on C. But, whereas with the other machines you can choose which way to slip and which to knit, the C setting only gives you the option of knitting to the left and slipping to the right. The C setting, unlike the slip setting on the 860 and 890, functions correctly whether the machine is turned on or off. It doesn't interact with the patterning mechanism.

As you might suppose, you can also set the ribber carriage to slip one way and knit the other.

Put the set levers to 0 and, on all ribbers except the SRJ70 and 80 and the RJ1 carriage, put the pick knob to ←. On chunky ribbers, the pick knob is called the cam lever and should be set to 0. The SRJ70 and 80 and RJ1 carriages don't have a pick knob, but do have select levers; set these to 0. Pass the carriage backwards and forwards. In both directions the needles slip. Now on all carriages put one of the set levers to 1 and again pass the carriage backwards and forwards. Now the carriage slips one way and knits the other. It's the set lever on the leading side of the carriage (the one nearest the knitting at the beginning of the row) that controls what happens on that row.

These settings of the main carriage and ribber are used for circular knitting. When casting on, the first row is knitted on both beds; then the carriages are set for circular knitting and one and a half circles (three rows) are knitted. These circular rows reduce the waviness at the edge of the welt. After the circular rows are knitted, both carriages are set to knit in both directions and the welt is knitted.

For circular knitting, each bed must slip one way and knit the other and each must knit while the other slips. On all machines except the standard- and fine-gauge electronics, you can knit clockwise or anti-clockwise circles. The standard- and fine-gauge electronics can only knit anti-clockwise circles. The carriage settings are in Figure 1. In case you're wondering whether to knit clockwise or anti-clockwise circles, it really doesn't matter! But, as I said at the start, I feel in control if I know and understand what my machine can do.

Next month I shall be writing some more about how these carriage settings work and how to knit a hem in circular knitting.

Ann Kite

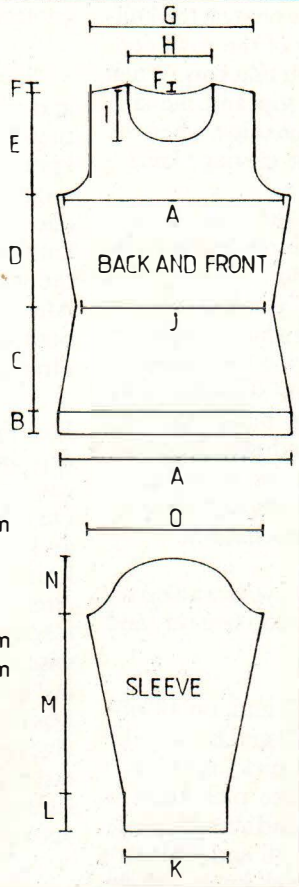
NOTE: The principles of circular knitting are taught on my Open Learning Video Course No. 7C.

Competition result

APRIL 1994 COMPETITION

Let's face it, most knitters have wool on their minds a lot of the time and our bulging postbag proves this fact because nearly everyone had the correct answer to our April competition, which was 'Woolly Minded'

Our congratulations go to Mrs J.R. Daniels of Norwich, who solved the clues and sent us the correct phrase. Mrs Daniels has won a superb Horn Cabinet. There's no excuse for leaving your machine out and collecting dust now Mrs Daniels! The easy slide away action of the Horn cabinet makes tidying up so quick and easy. You can slide away the machine in seconds, even with the knitting still attached.



A = 47 [49, 51.5, 54, 56, 58.5] cm
B = 5 cm
C = 21 [22.5, 22.5, 23.5, 24, 25] cm
D = 22.5 cm
E = 20 [20, 21, 21, 22, 22] cm
F = 2 cm
G = 32.5 [34, 35, 36, 37.5, 38.5] cm
H = 16.5 [17, 17.5, 18, 18.5, 19] cm
I = 12 cm
J = 40 [42, 44.5, 47, 49, 51.5] cm
K = 21 [21, 22, 22, 23.5, 23.5] cm
L = 7.5 [9, 10, 11.5, 12.5, 13.5] cm
M = 36 cm
N = 11 [11, 12.5, 12.5, 14, 14] cm
O = 35 [35, 36, 36, 37.5, 37.5] cm

Insert card and lock on first row. Using MT and WY, cast on and K a few rows, ending with carriage at left. Using MC, cast on by hand from right to left. Using MT-1, K 1 row. Set RC at 000. Using MT, release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. K 30 [36, 40, 46, 50, 54] rows. Shape sides by inc 1 st at each end of next and every foll 6th row until there are 120 [120, 124, 124, 128, 128] sts. K 5 rows. RC shows 174 [180, 184, 190, 194, 198].

Shape Top

Cast off 8 sts at beg of next 2 rows. Dec 1 st at each end of next and every foll alt row until 82 [82, 78, 78, 74, 74] sts rem, then on every row until 40 sts rem. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given.
Press carefully, following instructions on cone band.

MAKING UP

Join shoulder seams. Join side seams, matching markers at waist. Join sleeve seams. Set in sleeves.

CROCHET EDGINGS

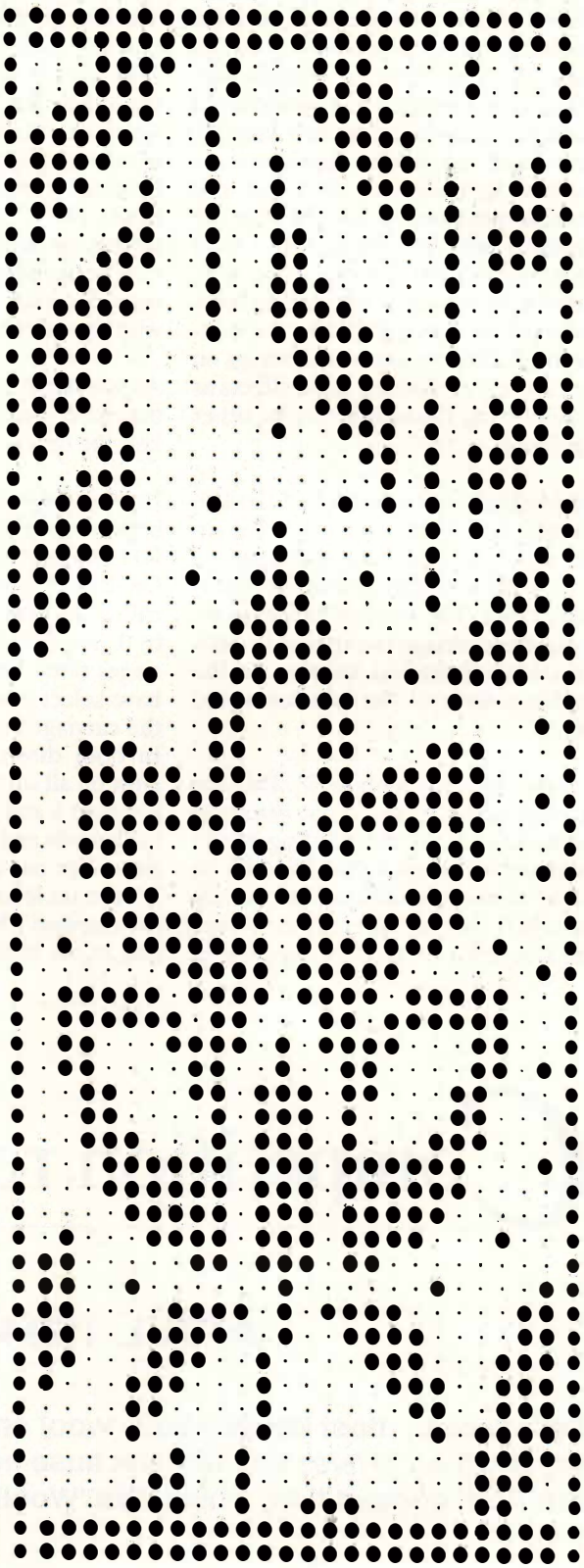
Cuffs

With right side of sleeve facing and using MC, begin at sleeve seam. Work in dc all round edge, taking approx 2 sts for every 3 knitted sts.
2nd Round: 1 dc in each dc.
3rd Round: * 1 dc in each of next 2 dc, 3 ch, ss in same place as last dc; rep from * to end. Fasten off.

Neck Edge

With right side of work facing, begin at right shoulder seam. Work in dc all round edge. Take approx 8 sts from first side of back neck shaping. Work across back neck in same way as for cuff. Take approx 8 sts from second side of back neck shaping and 32 sts from first side of front neck shaping. Work across centre front in same way as for cuff. Take approx 32 sts from second side of front neck shaping. Work 2nd and 3rd rounds as for cuff.

PUNCHCARD CHART



Fine gauge favourites

SQUIRRELS AND LEAVES

The mention of September always makes me think of misty mornings, Indian summers, mounds of golden leaves and squirrels!

There are a pair of squirrels living in my garden. They obviously have a very accurate calendar because, as soon as the first day of September arrives, they appear and I watch them climbing in the oak tree and showering the ground below with acorns.

Squirrels and leaves are my September inspirations. I hope you enjoy knitting them.

SAMPLE 1

This cheeky little squirrel is wondering how to pick up the large acorn!

The size of this motif makes it just right for knitting on to pockets. Knit a red squirrel on one pocket and a grey squirrel on another pocket with the punchcard reversed, so the squirrels appear to be looking at each other.

By Swiss darning the acorn and the single 'eye' stitch, the design becomes more lively. If Swiss darning doesn't appeal, another alternative is to omit the acorn and knit in a small black bead for the eye. This design can also be used as a border but beware of the long floats between tail tips!

SAMPLE 2

The single motif squirrel has been modified to make a Fair Isle design.

I have Swiss darned the tops of the acorns and the tree branches with a green yarn but the design still looks lovely without the embroidery. The Swiss darned version is very effective on the fronts of a short waistcoat. The back of the waistcoat can then be knitted in a single colour to match the Swiss darning.

An alternative colour scheme could be dark grey squirrels (contrast yarn) with a pale grey background (main yarn).

SAMPLE 3

Autumn just wouldn't be autumn without a leaf design.

This one is intended as a border, to knit immediately after the cuff on the sleeves or after the welt on the body of your garment.

Punching cards is a time-consuming task so, to make the job a little easier, the card has been punched in reverse.

SAMPLE 1			
Main yarn	Aran	Forsell	Sirocco
Contrast yarn	1 strand golden brown 1 strand brown mix	Industrial	2/30s
Swiss darning	Moss Clove Black	Forsell Forsell Bramwell	Sirocco Sirocco 2/30s (twofold)
Tension 4			

SAMPLE 2			
Main yarn	Aran	Forsell	Sirocco
Contrast yarn	Clove	Forsell	Sirocco
Swiss darning	Moss	Forsell	Sirocco
Tension 5			

SAMPLE 3			
Cuff or Welt			
Main yarn	Moss	Forsell	Sirocco
Fair Isle border (Tension 5)			
Main yarn	Moss	Forsell	Sirocco
Contrast yarn	Aran	Forsell	Sirocco
Stocking Stitch (Tension 4)			
Main yarn	Aran	Forsell	Sirocco

50▶

SAMPLE 1

SAMPLE 2

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Tel: 0825 830388

To knit this design, first knit the cuff or welt in the main leaf colour. Keeping the main colour the same as the cuff or welt use, as the contrast, the colour for the rest of your garment. As soon as you have knitted the last row of the design, break off the main yarn and remove it, replace it with the contrast yarn in the main feeder and continue to knit in stocking stitch.

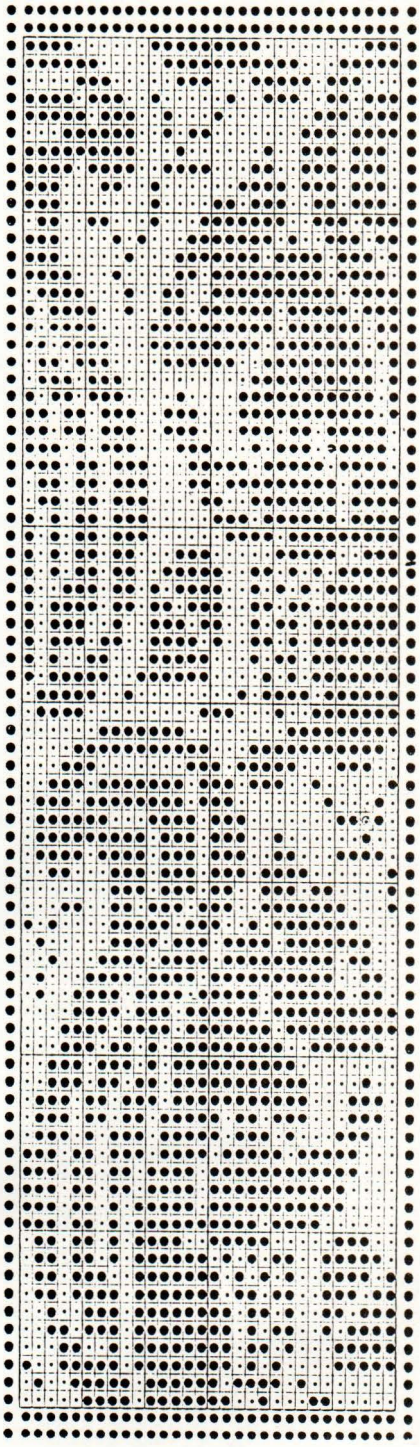
Try using the 'leaves' together with the 'squirrel' pockets or squirrel motifs. Use a golden brown as the main yarn instead of moss green for a more autumnal effect.

YARN NOTE
Forsell's Sirocco is a three-ply yarn (80% Acrylic, 20% Wool).

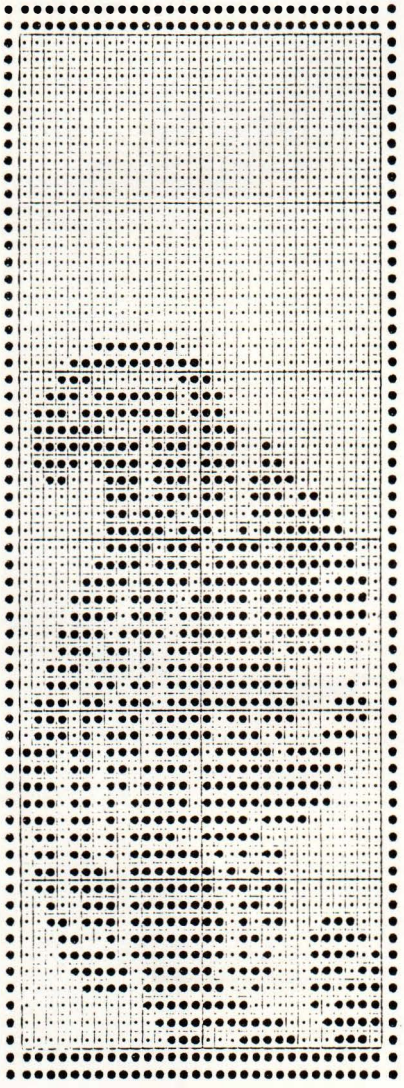
Until next month.

Linda Black

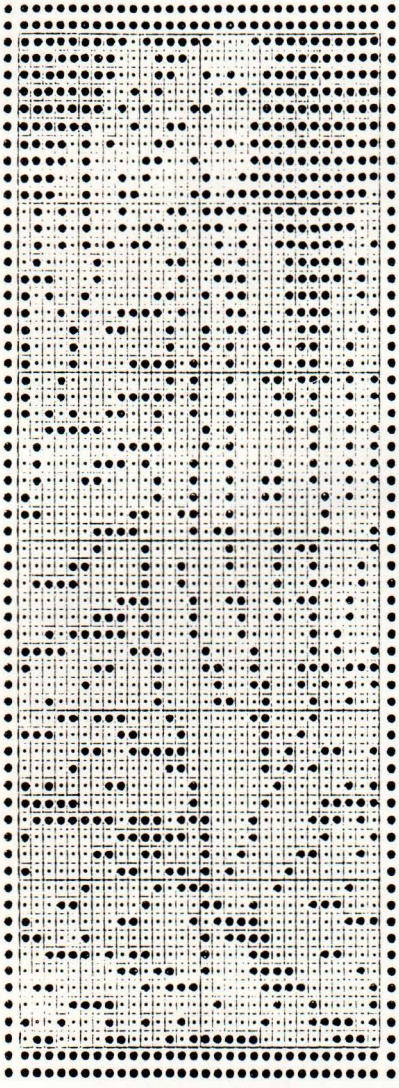
SAMPLE 3



PUNCHCARD 2



PUNCHCARD 1



PUNCHCARD 3

Silver spirals

Spiralling Fair Isle cables feature in the final design from our Silver Reed electronic mylar sheet

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for Silver Reed SK840 standard gauge electronic machines with EC1 and a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS

Bramwell Fine 4-ply.
(Yarn Guide No. 11.)
1 x 500g cone in Black (MC).
1 x 500g cone in Warm White (C).

GARMENT WEIGHT

Finished garment in first size weighs 410g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to the following address:- F. W. Bramwell & Co. Ltd., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington BB5 5TU.

PATTERN INFORMATION

For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS

To fit bust 87 [92, 97, 102] cm, 34 [36, 38, 40] in.
Actual size 102 [108, 113, 118] cm, 40½ [42½, 44½, 46½] in.
Length to shoulder 70 [71, 72, 73] cm, 27½ [28, 28½, 29] in.
Sleeve seam 51 [52, 53, 54] cm, 20 [20½, 21, 21½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

30 stitches and 39 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 6).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Before knitting, prepare electronic sheet from the chart provided. We used a Silver Reed card for this pattern and reproduce it courtesy of Silver Reed. For further information about Silver Reed cards and machines, please write to Silver Knitting Machines Ltd., Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.

Fair Isle Pattern

Set pattern width indicators at 33 and 54. Place needle 1 cam at 21 (left of centre 0), point cams at width of knitting. Press button 1 (left light on), button 2 (left light on) and button 5 (right light on). Mark card to knit rows 60 to 135, then 115 to 135.

BACK

With carriage at left and using C, cast on 156 [164, 172, 180] sts at centre in 1x1 rib. * Insert card and lock on 60th row. K 3 circular rows. Carriage is at left. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-5/MT-5, K 3 rows. Using MC, K 26 rows. Transfer sts for st st. Set RC at 000. Using MT, K 1 row. Release card and cont in Fair Isle with C in feeder 1 and MC in feeder 2 *. K 155 [159, 163, 167] rows. RC shows 156 [160, 164, 168].

Shape Armholes

Cast off 16 sts at beg of next 2 rows. 124 [132, 140, 148] sts **. K 88 rows.

Shape Neck

Note patt row on card. Using nylon cord, K 80 [84, 88, 92] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of next 6 rows. 38 [42, 46, 50] sts. K 1 row. Cast off. With carriage at right, unravel nylon cord over 36 Ns at right, bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. Set card to number previously noted. With carriage at left, unravel nylon cord over rem Ns, bringing Ns back to WP. Release card and cont in Fair Isle. Finish to correspond with first side, reversing shapings.

FRONT

Work as for back to **. K 56 rows. 40 rows less have been worked to shoulder than on back.

Shape Neck

Note patt row on card. Using nylon cord, K 76 [80, 84, 88] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of every row until 44 [48, 52, 56] sts rem, then on every foll alt row until 38 [42, 46, 50] sts rem. K 23 rows. Cast off. With carriage at right, unravel nylon cord over 28 Ns at right, bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. Set card to number previously noted. With carriage at left, unravel nylon cord over rem Ns, bringing Ns back to WP. Release card and cont in Fair Isle. Finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at left and using C, cast on 66 [70, 72, 76] sts at centre in 1x1 rib. Work as for back from * to *.

1st and 2nd Sizes

Shape sides by inc 1 st at each end of every row until there are 76 [72] sts, then on every foll alt row until there are 90 sts.

3rd and 4th Sizes

Shape sides by inc 1 st at each end of every alt row until there are [88, 80] sts, then on every foll 3rd row until there are 90 sts.

All Sizes

RC shows 20. Inc 1 st at each end of every 5th row until there are 138 [130, 122, 114] sts, then on every foll 6th row until there are 150 sts. K 4 rows. RC shows 180 [184, 188, 192].
Cast off.

RIGHT BACK AND LEFT FRONT CABLE BANDS

Push 15 Ns at left and 23 Ns at right of centre 0 to WP. 38 Ns. Using C, cast on by hand. Set RC at 000. Using MT, cont in cable patt from chart over 23 Ns at right of centre 0. K 98 rows. Drop sts 4, 11, 13 and 20 at right of centre 0 and pick up as for ribbing.
Cast off.

54▶

Hat, FRENCH CONNECTION.

LEFT BACK AND RIGHT FRONT CABLE BANDS

Work as for right back and left front cable bands, but read right for left and left for right.

NECKBAND

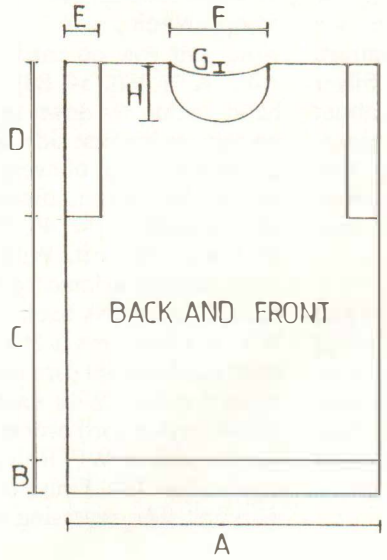
Join right shoulder seam. Push 150 Ns to WP. With K side facing, pick up 150 sts around neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MT and MC, K 1 row. Transfer sts for 1x1 rib. Using MT-5/MT-5, K 11 rows. Using C, K 3 rows. Using MT-6/MT-6, K 1 row. Using MT-5/MT-5, K 3 rows. Using MC, K 11 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

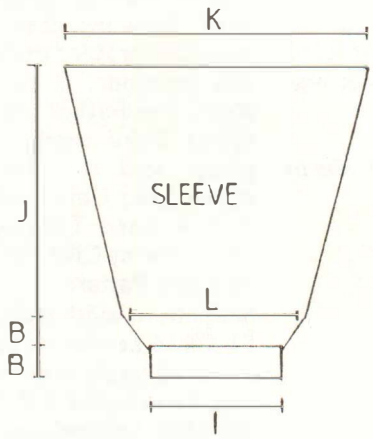
PRESSING

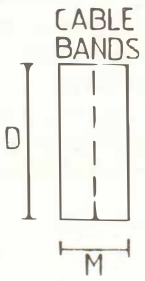
With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

MAKING UP

Join left shoulder and neckband seam. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Join top edge of back cable bands to front cable bands. Join cabled edges to armholes. Join lower edge of cabled section to cast-off sts at armholes. Fold in half and catch down on inside. Set in sleeves, joining to folded edge of cable bands. Join side and sleeve seams.

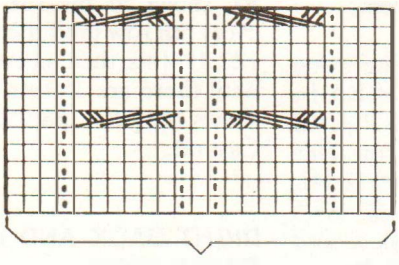






A = 52 [54.5, 57, 59.5] cm
B = 5 cm
C = 40 [41, 42, 43] cm
D = 25 cm
E = 5.5 cm
F = 16 cm
G = 2 cm
H = 10 cm
I = 22 [23, 24, 25] cm
J = 41 [42, 43, 44] cm
K = 50 cm
L = 30 cm
M = 11 cm

CABLE CHART

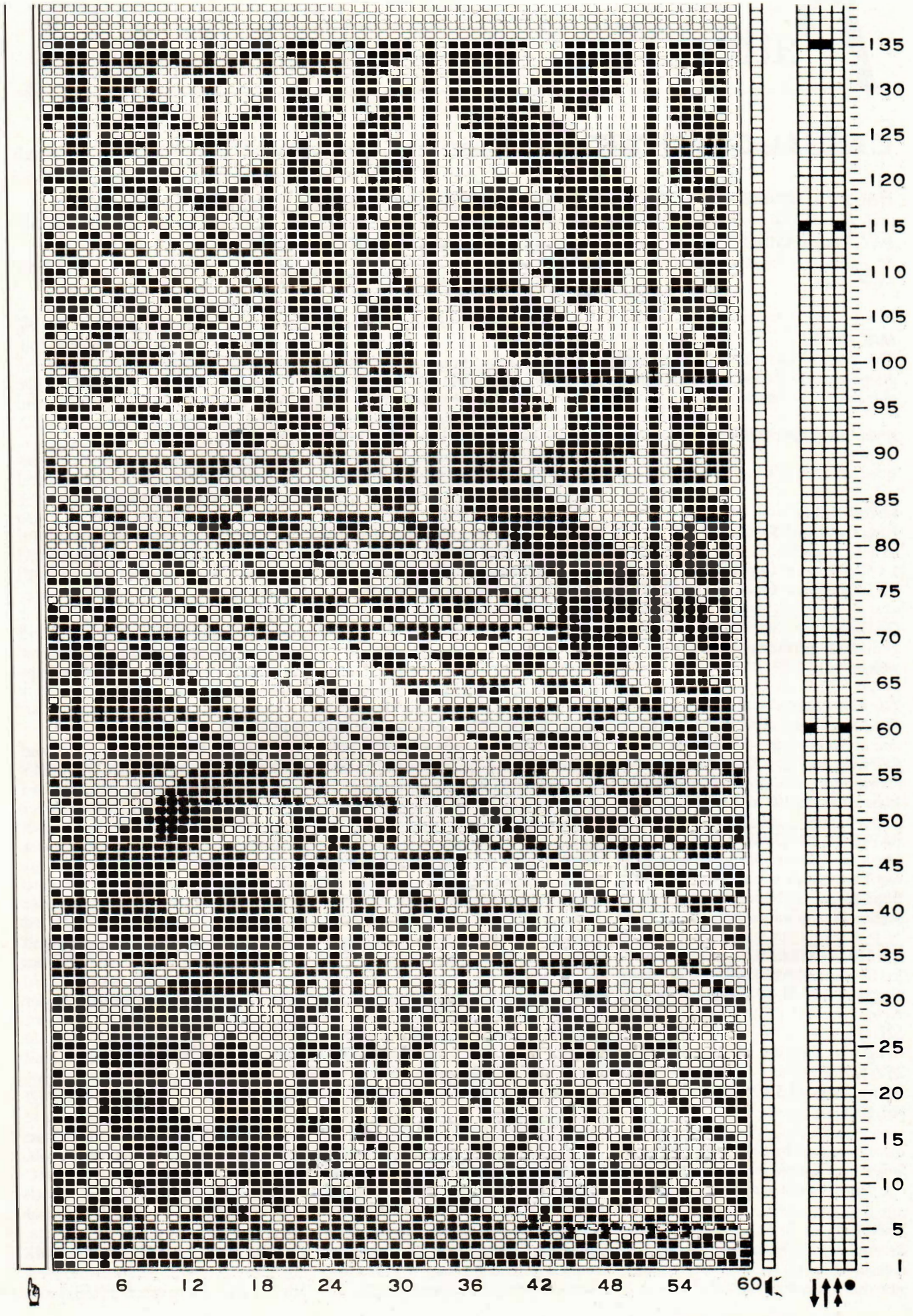


= Cross 3sts at left infront of 3sts at right

= Cross 3sts at right infront of 3sts at left

= Drop st from N on every 6th row before making cables, leave empty Ns in WP (reform after knitting 98 rows)

ELECTRONIC CHART



Pattern 7

CASUAL COMFORT

Barbara Tobias knits one for the men this month in King Cole Anti-Tickle Pure Wool

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
King Cole Anti-Tickle 4-ply.
(Yarn Guide No. 11.)
1 x 500g cone in Copper (MC).
1 x 500g cone in Black (C).

GARMENT WEIGHT
Finished garment in second size weighs 580g.

The fibre content of this yarn is 100% Pure New Wool. For further information about this yarn, please write to the following address:- King Cole Limited, Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit chest 97-102 [107-112, 117-122] cm, 38-40 [42-44, 46-48] in.
Actual size 111 [121, 132] cm, 44 [48, 52] in.
Length to shoulder 67 [69, 70.5] cm, 26½ [27½, 28] in.
Sleeve seam 49.5 [50.5, 52] cm, 19½ [20, 20½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
29 stitches and 34 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 8).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.

Silver Reed Electronic Machines
Place needle 1 cam between Ns 12 and 13 at left of centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK840 machines, or right light on for earlier models).

Brother Electronic Machines
Place pattern over centre 0.

BACK
Fair Isle Pattern: * Insert card 1 and lock on 1st [1st, 19th] row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. K 46 [48, 50] rows. Remove card. Insert card 2 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B **. K 24 rows. Remove card *. Rep from * to * once more, then from * to ** once. K 14 rows. Remove card. Cont in st st and MC. Using MT-1, K 2 rows. RC shows 202 [208, 214].

With carriage at right and using C, cast on 164 [178, 194] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 34 rows. Transfer sts for st st *. Set RC at 000. Using MT, cont in Fair Isle patt **. K 202 [208, 214] rows. Push 55 [62, 70] Ns at left and right to HP. Using WY, K a few rows over rem 54 Ns and release from machine. Push 55 [62, 70] Ns at right from HP to UWP. Using WY, K a few rows and release from machine. Push 55 [62, 70] Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

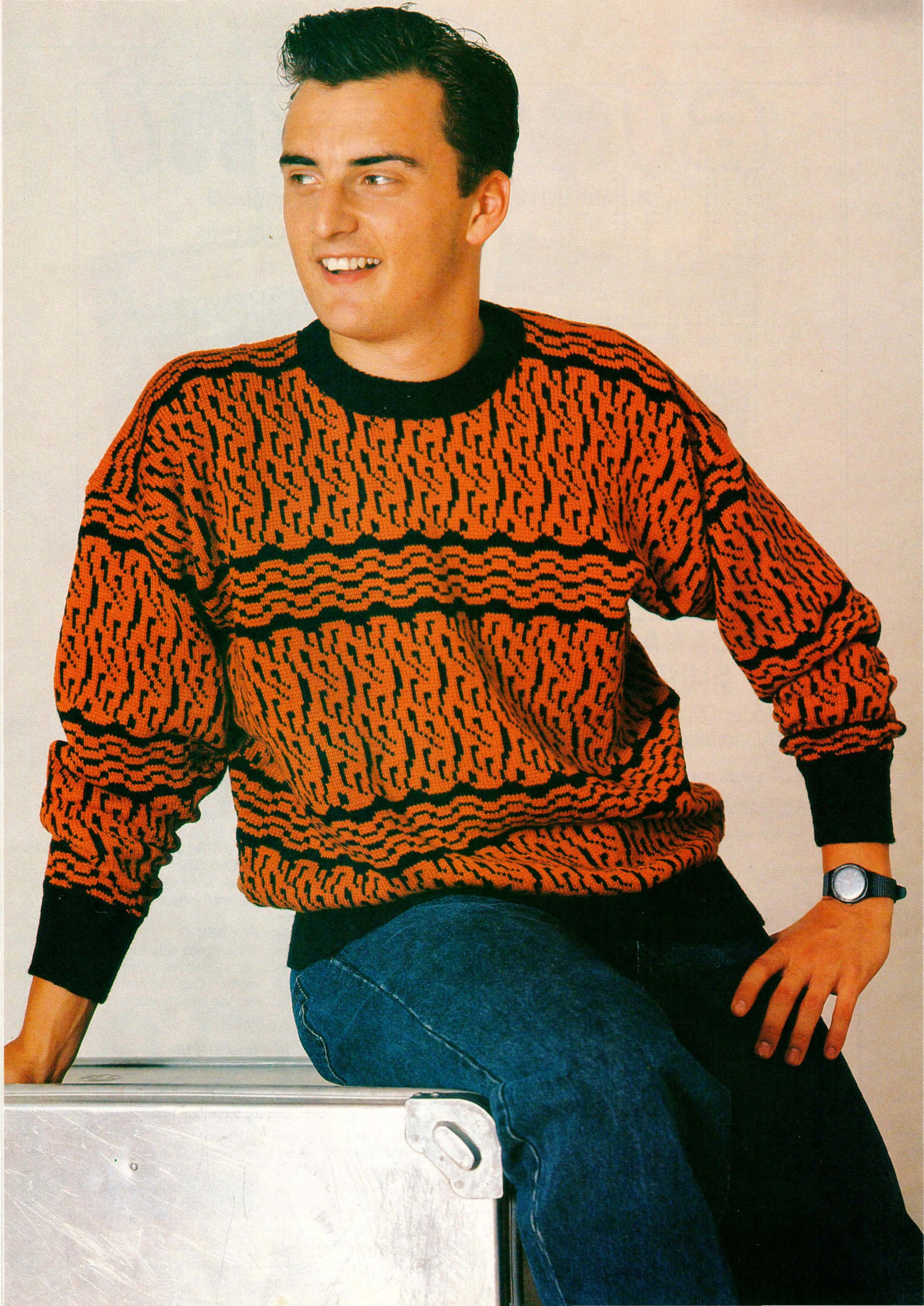
FRONT
Work as for back to **. K 174 [180, 182] rows.

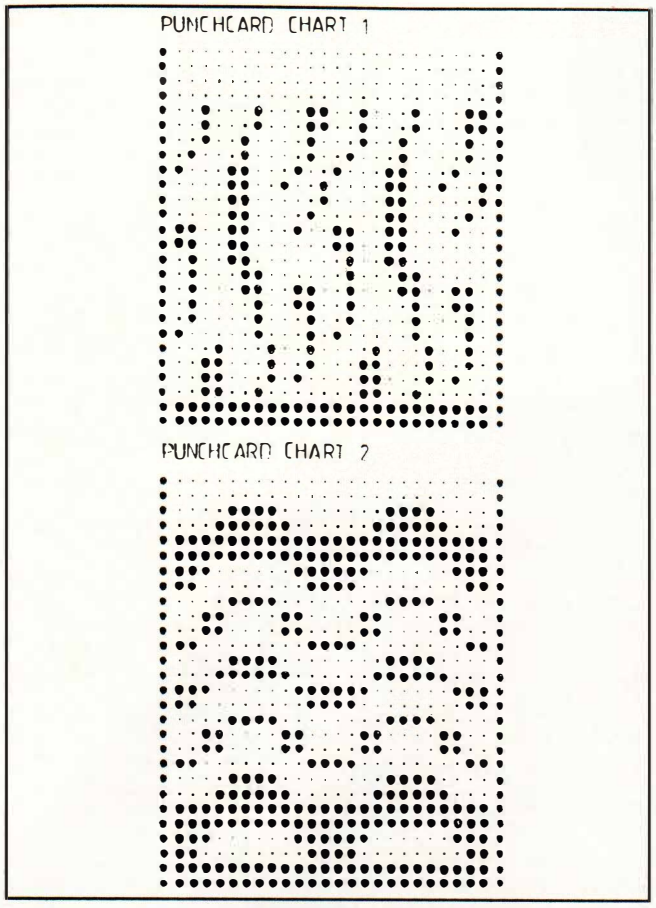
Shape Neck
Note patt row on card. Using nylon cord, K 94 [101, 109] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge on every row until 60 [67, 75] sts rem, then on every foll alt row until 55 [62, 70] sts rem. K 8 [8, 12] rows. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over 24 Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Insert card 1 and lock on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

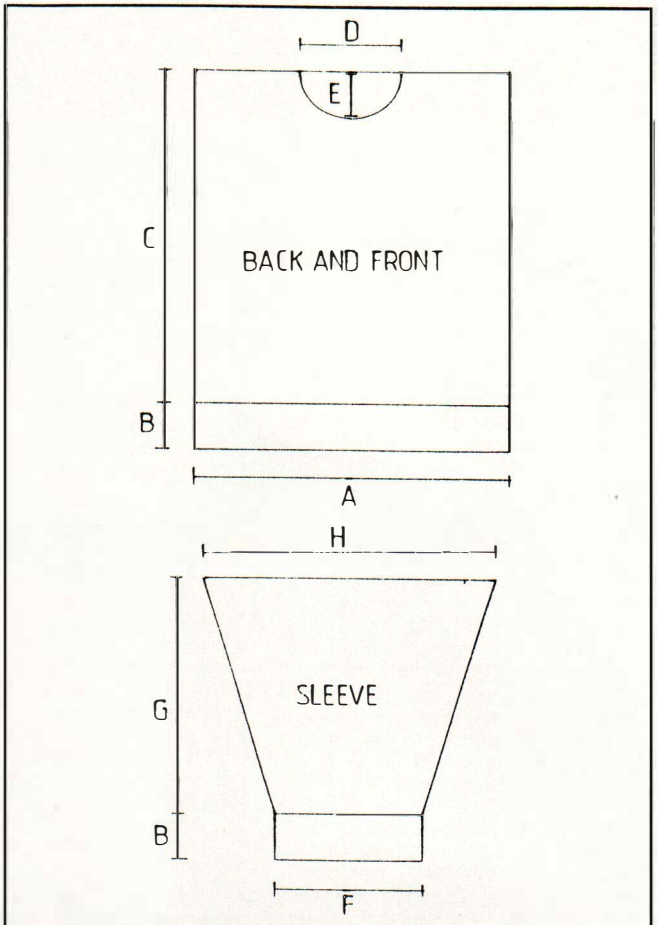
SLEEVES
Fair Isle Pattern: Insert card 2 and lock on 11th row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. K 14 rows. Remove card. * Insert card 1 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. K 44 [46, 48] rows. Remove card. Insert card 2 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B *. K 24 rows. Remove card. Rep from * to *. K 14 rows. Remove card. Cont in st st and MC. Using MT-1, K 2 rows. RC shows 142 [146, 150].

With carriage at right and using C, cast on 76 [80, 82] sts at centre in 1x1 rib. Work as for back from * to *. Set RC at 000. Using MT, cont in Fair Isle patt. Shape sides by inc 1 st at each end of every row until there are 80 [84, 88] sts, then on every foll 3rd row until there are 122 [128, 134] sts, then on every foll 5th row until there are 152 [158, 164] 58▶

Jeans, RIVER ISLAND.







A = 56.5 [61, 66.5] cm
B = 8 cm
C = 59 [61, 62.5] cm
D = 18.5 cm
E = 8 [8, 9] cm
F = 26 [27.5, 28] cm
G = 41.5 [42.5, 44] cm
H = 52 [54, 56.5] cm

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1113

sts. K 2 [3, 3] rows. RC shows 142 [146, 150]. Cast off.

TO JOIN RIGHT SHOULDER

Push 55 [62, 70] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT + 2 and MC, K 1 row. Cast off.

NECKBAND

Push 148 [148, 156] Ns to WP. With K side facing, pick up 148 [148, 156] sts around neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MT-1 and C, K 1 row. Transfer sts for 1x1 rib. Using MT-6/MT-6, K 28 rows. Transfer sts for st st. Using MT-1, K 1 row. Using WY, K a few rows and release from machine.

TO JOIN LEFT SHOULDER

Work as for right shoulder, but read left for right.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Steam lightly but thoroughly, allow to dry in shape.

MAKING UP

Set in sleeves, matching centre to shoulder seams. Join side, sleeve and neckband seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in C.

Club speakers

ANGIE GIBBONS. 26 Cripps House, Henderson Road, Broadfields, Crawley, West Sussex RH11 9HY. Tel: 0293-523805.
Creative lecture by qualified designer covering design research, inspirations, colour theory and yarn usage. Detailed design techniques as given in Swatch Spot articles in Modern Machine Knitting. Garments from children to adults shown. Workshops can be arranged. Any distance considered.

ANN BROWN. Posh Frocks, 35 The Links, Whitehill, Bordon, Hampshire GU35 9HB. Tel: 0420-474904.
All aspects of design from techniques to pressing, including slide show, also Passap/Pfaff. Clubs - 100 miles. Workshops and hands-on, any distance.

ANN DISHMAN. Briarbank, Highview Lane, Ridgewood, Uckfield, East Sussex TN22 5SY. Tel: 0825-767757.
Life with Angoras. Angora yarn: its uses, handspinning for the knitting machine. Rainbow dyeing of commercial and handspun yarns with demonstrations. Reasonable distance as rabbits also travel to clubs.

ANN DURKAN. Michaelmas Cottage, Twineham, West Sussex RH17 5NN. Tel: 0444-881556.
Lively choice by qualified designer, concentrating on creativity, garment design and imaginative use of colour and texture. Emphasis on Elegance made Easy. Plenty of sample garments to try on and have fun with. Workshops also arranged. No restriction on distance.

ANN ROSS. Ann's Yarns, Unit 30, Fourth Avenue, Bluebridge Industrial Estate, Halstead, Essex CO9 2SY. Tel: 0787-476540.
Any subject on the Japanese machines. Yarns and books available. 60-mile radius. Further by arrangement.

ANNE KENT. 23 Springfield, East Grinstead, West Sussex RH19 2RT. Tel: 0342-313562.
Informative talks; Sideways sweaters to your size; Size right; Punchcard designing; Pockets galore. Reasonable distance from East Grinstead.

ANNE WARWICK. The Knitting Studio, 3 Frobisher Close, Hinckley, Leicestershire LE10 1UP. Tel: 0455-636409 after 6pm.
Knitting with Oiled Yarns, Cashmere, Lambswool/Angora, Shetland, etc. Successful knitting in luxury oiled yarns. Talk and demonstration with samples, swatches and garments covering yarns counts, tensions, scouring, finishing, care for garments. 50-mile radius, further by arrangement.

BERYL JARVIS. 90 Asfordby Road, Melton Mowbray, Leicestershire LE13 0HR. Tel: 0664-68449.
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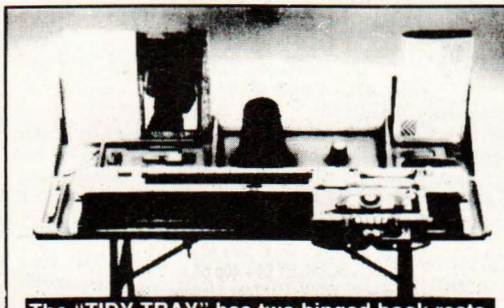

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FOR SALE

POWERKNIT plus stand, row countdown, four-wayyarn stop, little used, as new, can be seen working, £300 ono. Buyer collects. Tel: 0272-612690 (Bristol).

KEYTO cabinet and bench, two position, teak colour, as new, £60. Tel: 0992-463199 (Cheshunt).

KNITMASTER 700K, £225; Lace carriage, £50; Colour changer YC6, £75; Linker; Knitmaster ribber, size 50, £85; Transfer carriage, £25. Tel: 021-360 4903 (Birmingham).

YARN mast, 8-arm, as new, £20; Brother disk drive, unused, £100; PPD 110, £175. Tel: 0222-617814 (Cardiff).

KNITMASTER 321, ribber, table, £150 ono, vgc. Tel: 0291-641773 (Chepstow).

BROTHER 950i, lace carriage, intarsia, excellent condition, £475. Tel: 0483-67585 (Guildford).

BROTHER Overlocker 760DE, virtually new, £295. Tel: 0803-851588 (Brixham).

BROTHER KH830 with lace carriage, punchcards etc., ribber KR850, table, wool winder, £260 ono the lot. Tel: 081-529 4560 (N.E.London).

KNITMASTER Silver 360K with ribber, excellent condition, Knit Radar, weaving arm, auto linker, colour changer, punchcards, table, patterns, books, £435. Tel: 0734-884995 (Reading).

BROTHER 260 Chunky and ribber, punchcards and instruction books, £375 ono. Good condition. Tel: 081-533 6147 (London East).

TOYOTA KS901, manuals, Knit Tracer, lace and intarsia carriages, yarn break, punch and blank cards, excellent condition, £250. Tel: 0707-336598 (Welwyn Garden City).

PASSAP Duo 80 complete with stand, Deco, 4-colour changer, U70 lock patterns, punchcards, new condition, £380 ono. Tel: 0243-604763 (Chichester).

BROTHER 965, Electronic 850 ribber, transfer carriage, all one year old, £1085; 4-colour changer, unused, £70; Hague hand linker, £95. Tel: 0276-38485 (Camberley).

BROTHER KH881, lace carriage, punchcards, manual Knitleader, good working order, £190 ono. Tel: 0243-532755 (Chichester).

BROTHER 891 with ribber, lace carriage, Knitleader, table, books, £300. No offers. Tel: 0283-226179 (Burton on Trent).

FOR SALE

BROTHER 230 Chunky plus ribber and table, £240. Tel: 081-886 7385 (N. London).

TOYOTA 901, ribber, lacer, tilt table, plater, punchcards, books, recently services, needles. Gone electronic, £325. Tel: 0325-461097 (Darlington).

BROTHER 910 with intarsia carriage, lace carriage, mylar sheets, manual, table, good condition, £300. Tel: 0256-389400 (Basingstoke).

PASSAP Duomatic 80 with Electra 3000A motor Form computer, 4-colour changer and Deco, U100 transfer carriage, punchcards, manuals, pattern books. Tel: 0258 820371 (Marnhull).

TOYOTA KS901 with ribber, lace carriage, Knit Tracer, transfer carriage, tilt table, wool winder, instruction books etc., £230. Tel: 0438-355943 (Stevenage).

SILVER Reed Electronic SR840, SRP60N, EC1, PE1, KR11, transfer rib carriage YC6, wool winger, boxed, no split, £1500. Tel: 0202-470424 (Christchurch).

TOYOTA KH901DX, ribber, transfer carriage, lace and intarsia carriages, pile knitter, many more extras. Have bought electronic machine. Everything good condition, £300 ono. Tel: 0656-863113 (Bridgend).

BROTHER KH840, punchcards, lace carriage, instruction manuals, excellent condition, boxed, £130; Intarsia carriage, unused, £30; Keyto knitting machine cabinet-bench, £80. Tel: 0883-722186 (Oxted).

PASSAP 6000 heavy duty motor, Tricofit cast-off carriage, U100E transfer carriage, £1400; Knitmaster Knit Contour, £65; Knitline, £100; Minilock overlocker, £90, vgc. Tel: 0299 400651 (Bewdley).

BROTHER KH950i Electronic, KR850 ribber, instruction video, table, wool winder, Marion Nelson cards, all new 1992, little used, £650 ono. Tel: 0707-266854 (Hatfield).

SINGER three thread overlocker and manual, £150. Tel:0635-38263 (Newbury).

KNITMASTER 580 Electronic with Design Controller, £650; Ribber, £185; Lace carriage, £105; Colour changer, £100; Knit Radar, £60; Cabinet, £100, vgc. Tel: 0983-520318 (Newport, I.W).

KNITMASTER S80 Electronic plus ribber SRP50 plus PE1, £600; Double bed colour changer, £75; RT1, £15; Keyto cabinet, bench, wools, £100 ono. Tel: 0594-832364 (Coleford).

FOR SALE

PASSAP Duo 80, 4-colour changer, Deco, Form computer, intarsia, cone winder, instructional tapes, books, patterns, tools. Delivery negotiable, £300. Tel: 0823-256297 (Taunton).

TOYOTA KS858 with ribber, lace carriage, accessories, punchcards, punch etc., £200 ono. Tel: 0978-855638 (Wrexham).

ELECTRIC Power Knit with table and row countdown, suitable Brother of Knitmaster Chunky knitting machine, new £549, for sale £200. Tel: 0273-556065 (Brighton).

HAGUE linker, £50. Tel: 0384-571530 (Brierley Hill).

BROTHER 891 plus 4G89II garter carriage, both hardly used, £500, includes lace carriage and Knit Leader. Tel: 081-205 6890 (Edgware).

KNITMASTER 155 Chunky Professional plus ribber and intarsia, also KRY Radar, punchcards, books, £350. No offers. Tel: 081-337 7404 (Morden).

PASSAP Duo 80, 4-colour changer, U70 lock, Form computer, instructions, patterns, extra tools, £300. Tel: 091-584 8368 (Houghton-le-Spring).

HORN machine cabinet, 1 year old, £100. Tel: 0277-214689 (Brentwood).

BROTHER 910 Electronic, 830 ribber, Knit Leader, intarsia carriage, instruction books, table, £500 ovno. Will separate, all excellent condition; Brother 230 Chunky, used twice, £125 ono. Tel: 081-560 1057 (Isleworth).

PFAFF Electronic 6000, little used, 4-colour changer, cost £1400 new, £750. Tel: 0553-673884 (Kings Lynn).

BROTHER Electronic 910 MKII, complete with instruction books, accessories, extra mylar sheets and machine table, £250, vgc. Tel: 0202-751987 (Bournemouth).

SINGER Memo II Electronic with table, instruction tapes and many extras. Any reasonable offer considered. Tel: 0753 643064 (Slough).

HAGUE linking machine, hand operated, never used, still boxed, £100. Tel: 0603-741577 (Norwich).

KNITMASTER 700KL, built-in Radar, punchcards, Fair Isle, tuck, weaving, intarsia, lace carriage, table, all exellent-condition, £275. Tel: 0773-605486 (Mansfield).

KNITMASTER 155 Chunky machine plus ribber, intarsia carriage and book, £420. Tel: 0561-361688 (Inverbervie).

Classifieds

FOR SALE

BROTHER KH260 Chunky punch-card machine, vgc, table, £235. Tel: 021-744 3539 (Shirley, Solihull).

BROTHER KH836 knitting machine with lace carriage and Brother KG88 11 garter carriage, both as new, £380 ono. Tel: 0634-812962 (Rochester) after 6pm.

PASSAP Duo 80, 4-colour changer, Deco, Transfer carriage and books, hardly used, £350. Tel: 051-638 3718 (Wallasey).

BROTHER KH881 machine with KR830 ribber, plus Keyto cabinet (teak), punchcards, wool, books, Radar, £350. Tel: 0276-475477 (Camberley).

SINGER KE2500 knitting machine with lace carriage, ribber, table, copy knit, wool winder, punchcards, puncher, all excellent condition (many extras), £300 ono. Tel: 0635-30698 (Newbury).

KNITMASTER 360KL, £280 (with table); SRP20 ribber, £60; YC6 colour changer, new, boxed, £100; Intarsia carriage, boxed, £15. Have gone electronic. Tel: 095381-8119 (Diss).

PPD, unwanted present, used once, still boxed, £195. Tel: 0706-343719 (Rochdale).

SINGER Designer Two Chunky knitting machine with books, £100, excellent condition. Tel: 061-795 8217 (Manchester).

TOYOTA KS610 Chunky machine plus ribber, table and wool, excellent condition, £250 ono, space needed. Tel: 0752-401616 (Plymouth).

BROTHER machines KX390, KH836, ribber carriages KRC830, KA8210, KA8300, KA7395, KRC900, KA8210, KRC900, KA7100, Hague linker etc., sell one lot. Tel: 0305-262517 (Dorchester).

BROTHER KH260 Chunky knitting machine with ribber, intarsia, Knitleader, table, books, wool, £350. Tel: 021-745 4310 (Solihull).

SINGER K2500 including ribber, lace carriage, punchcards, wool winder, table, all tools and instruction books, £85. Tel: 0785-664847 (Stafford).

BROTHER 950i Electronic, 850 ribber, Knitleader, table, accessories, Hague linker plus many cones of wool, hardly used, £825. Tel: 0953-602781 (Wymondham).

DUOMATIC 80, Deco, £350; U70 Passap cards, stand, colour changer, room wanted for new machine, good condition and working order. Buyer must collect. Tel: 021-773 8891 (Birmingham).

KNITMASTER YC5 double bed yarn changer, £60, or will p/exch for Keyto cabinet. Tel: 0302-745408 (Doncaster).

BROTHER 710 with lace carriage, tuition book, £40 ono, or swap for 24st punchcard pattern books. Tel: 0226-350710 (Barnsley).

KNITMASTER 328 with ribber, punchcards and all accessories, manuals. Excellent condition, £230. Tel: 0384-896494 (Stourbridge).

BROTHER 260 Chunky, punchcards and instruction books, vgc, £175. Tel: 0248-852703 (Benllech).

TOYOTA 901, ribber, colour changer, lace, transfer, tilt table, Tracer and more, Knitmaster 120 Chunky, ribber, KR7 and more, sell or swap both for Singer 900. Tel: 0625-525677 (Wilmslow).

PASSAP Duo 80, 4-colour changer, Deco, Form computer, U80 lock, instruction tapes and books, hole punch, Passap pattern books, £400. Tel: 021-353 5067 (Birmingham).

BROTHER 950i Electronic, ribber KR850, transfer carriage KA8300, linker KA8310, Hague hand linker, 8-way tension mast, video, books, £900. Tel: 0993-706674 (Witney).

BROTHER KH260 Chunky punch-card machine with ribber, intarsia carriage, table, 8 months old, £550, includes all books and 4 new cones of wool. Tel: 0324-629505 (Falkirk).

PASSAP Duomatic 80, 4-colour changer, Deco, stand, books, magazines, punchcards, £400 ono. Tel: 0235-531376 (Abingdon).

KNITMASTER 700K automatic punchcard, built-in Radar, table and books, only £250 (due to new machine). Tel: 0934-417379 or 0934-622443 (Weston-Super-Mare).

JONES Chunky KH260 with ribber, some wool, vgc, £375; Passap Duomatic, four-colour changer, vgc, offers please. Tel: 0275-851453 (Bristol).

KNITMASTER Chunky 151 with ribber, Knit Radar, patterns, table, all accessories and instruction manuals, excellent condition, £199. Tel: 0934-516178 (Weston-Super-Mare).

EMPISAL Knitmaster Model 360 including lace carriage, automatic linker, ribber and accessories, work table and instruction manuals, £275 ono. Tel: 0455-851955 (Hinckley).

A TO Z of Machine Knitting, Step by Step Charting Design, £15 each; Knitmaster 302, works well, spare or repair, £20; Bond, £40. Tel: 0273-202315 (Hove).

BROTHER KH965, little use, £700. Tel: 0255-431833 (Clacton-on-Sea).

BROTHER KM120 fine gauge, KR120 fine ribber, beautiful machine, excellent condition, recently serviced, £500. Tel: 0434-320791 (Haltwhistle)

PASSAP Duo 80, Deco, Forma, U70, pattern books etc., £325. Tel: 0258-820643 (Sturminster Newton).

BROTHER 836 intarsia carriage, instruction manuals plus extra in excellent condition, £175, good reason for sale. Tel: 02357-67285 (Wantage).

SINGER Memo Matic KE2400 and ribber, instruction books, punchcards and patterns, £75. Tel: 0892-653581 (Crowborough).

KNITMASTER Knit Radar KR7, used once, £70; Extra patterns, Beginners Guide to Double Jacquard, £1.50; Amberyarn Jacquard Collection Part 1, £1.50. Tel: 0905-831800 (Worcester).

SILVER 860 double knitting gauge electronic knitting machine, EC1 control box, ribber, electronic Contour, intarsia carriage, cost £1445 new, immaculate, bargain, £895. Tel: 0273-461998 (Shoreham).

PASSAP Duo 80, Deco, 4-colour changer, punch and cards, Form computer, vgc, £400. Tel: 0203-458930 (Coventry).

KNITMASTER SC3 automatic linger carriage for 260, 360, 700, electronic and Zippy machines, as new, £30. Tel: 0603-427810 (Norwich).

BROTHER knitting machine 830 plus 850 ribber, lace carriage, table, punchcards, all instruction manuals, recently serviced, £390 ono. Tel: 0782-412820 (Stoke-on-Trent).

KNITMASTER 323, good condition, cased, £95; intarsia carriage, unused, £10; Silver Reed card punch PM2, £10, postage/carriage extra. Tel: 0242-232509 (Cheltenham).

KNITMASTER 150 Chunky plus ribber, intarsia selector, £350 ono. Good condition. Tel: 0508-31081 (Norwich).

KNITMASTER Zippy De Luxe punchcard machine, boxed with instruction book, £125 or exchange for chunky machine. Tel: 0582-592193 (Luton).

PASSAP Duo 80, 4-colour changer, punchcards, patterns, manual, stand, tools, wool, vgc, many extras, £350 ono. Tel: 0343-543166 (Elgin).

KNITMASTER 326, ribber, intarsia carriage, Knit Radar and table, £260. Tel: 0694-751378 (Church Stretton).

PFAFF 6000E Electronic knitting machine, motor countdown, auto colour Tricofit U100E, Creation 6, numerous extras, tools and books, £1100. Tel: 081-205 0386 (London).

BROTHER KH260 Chunky with ribber, punch, books, wool etc., £400 ono. Would exchange for Duo 80 Passap. Tel: 0942 262905 (Nr Warrington).

PASSAP Duo 80, Deco, colour changer, Form computer, transfer carriage U70, Belinky, all manuals with equipment, will split, £390. Tel: 0276-64357 (Camberley).

BROTHER KH891 knitting machine with Knitleader and lace carriage, good condition, £230 ono. Tel: 0622-676548 (Maidstone).

BROTHER KH965 Electronic with ribber, transfer carriage and KE100 Brother power motor, only 15 months old, good reason for sale, £950. Tel: 0527-542508 (Redditch).

KNITMASTER 560 Electronic, 60-stitch patterns, mirror image, does all fancy patterns, jacquard, single motifs, plus one action lace carriage, £325. Tel: 0274-393472 (East Bowling).

KNITMASTER 360 in good condition, complete, £180; Knitmaster 155 and ribber, £375, plus table. Tel: 0993-882632 (Witney).

CHUNKY machine, Knitmaster 151, as new, £100. Tel: 0255-814854 (Clacton).

BROTHER 230 and ribber, many accessories including table, all well maintained by experienced knitter, £200. Tel: 0376 323165 (Braintree).

BROTHER KH260 Chunky punch-card knitting machine with table and intarsia carriage, as new, £230. Tel: 0278-685518 (Bridgwater).

PFAFF 6000 Electronic with motor, machine talks to you through ingenious dialog-computer, over 6000 patterns stored in computer, with stand, £1700. Tel: 021-360 4581 (Birmingham).

KNITMASTER 323, ribber, Knit Radar and instructions, all good working condition, £225. Tel: 0527-873373 (Bromsgrove).

KNITMASTER 155 Professional Chunky punchcard machine, plus ribber, intarsia carriage, table and books, £350. Tel: 0279-422994 (Harlow).

BIT Knitter plus Kniteditor and jacquard separator, plus extras, £150 ono, runs Amiga computer 9501 Brother machine. Tel: 0245-352538 (Chelmsford).

Classifieds

FOR SALE

TOYOTA 901 knitting machine, ribber, Knitleader, transfer carriage, linker, extras, £390 ono. Tel: 0222-551893 (Cardiff).

KNITMASTER Zippy Plus, 24-stitch punchcard, as new. For quick sale, £185. Tel: 0207-542551 (Hamsterley Mill).

KNITMASTER Zippy Plus, SRP60N ribber, Knit Radar, automatic linker, intarsia carriage, YC5 colour changer, punch, punchcards, yarn winder, table, manuals, extras, £450. Tel: 0260-274906 (Congleton).

BROTHER KG95 garter carriage, used once, not liked £250. Can be used with punchcard or electronic machine. Tel: 0256-55404 (Basingstoke).

BROTHER 260 Chunky, punchcard, ribber, table, intarsia carriage, many accessories, boxed, manuals, £425. Tel: 0302-887301 (Doncaster).

KNITMASTER 560 electronic, SRP50 ribber, lace carriage, £550; YC5 colour changer, £45; SC3 linker, £30; Intarsia carriage, £12, plus many extras including books etc. Tel: 0474-322506 (Gravesend).

PASSAP Duo 80, 4-colour changer, Deco, punch, tools and stand, buyer collects, £250. Tel: 0582-873267 (Dunstable).

TOYOTA 858 with lace carriage, punchcards, pattern and instruction books, little used, £130 ono. Tel: 0452-864945 (Gloucester).

KNITMASTER 700, ribber, instruction manuals, built-in intarsia, weaving, Knit Radar, Fair Isle, slip, tuck etc., hardly used, required extras £285. Tel: 0322-662292 (Swanley).

TOYOTA KS901, good condition, £100, punchcards and lace carriage and intarsia carriage. Tel: 0685-878323 (Aberdare).

BROTHER KH800, lace carriage K586, ribber, manuals, good working order, pattern books, £90 or £50 each. Tel: 081-800 0589(N. London).

KNITMASTER 360, ribber SRP60N, colour changer YC6, linker SC3, lace carriage LC2, intarsia carriage AG20, reasonable offers accepted, will sell separate. Tel: 081-422 9810 (Harrow).

KNITMASTER 155 Chunky, punchcard, ribber, intarsia carriage, as new instruction tapes, large quantity good quality chunky yarn, £350 ono. Tel: 0625-433060 (Macclesfield).

GARTER bar, as new, £10, vgc; Knitleader KL 116, £60, vgc, Dawson Grid, £10, vgc. Tel: 0970-615320 (Aberystwyth).

FOR SALE

PFAFF 6000 Electronic knitting machine, hardly used, £800 ono. Tel: 0793-851056 (Swindon).

TOYOTA 777, lace carriage, manual, book, punchcard, just serviced, £80 ono. Tel: 0322-862655 (Dartford).

BROTHER KH890 plus garter carriage, Knitleader and lace carriage, £300. Tel: 0733-62836 (Peterborough).

VICTORIAN sock machine with ribber and instruction book, vgc. Tel: 0427-613777 (Gainsborough).

KNITMASTER 360 punchcard, ribber, lace, intarsia and transfer carriages, colour changer, Knit Radar, excellent condition, ideal package for beginner, £360 the lot. Tel: 0582-608353 (Dunstable).

YC5 colour changer, £70; garter bar, £30, both unused. Tel: 0634-365059 (Rainham).

BROTHER KH881, built-in Radar, extras, good condition, £150 for quick sale. Tel: 0670-515529 (Morpeth).

BROTHER KH830 machine with lace carriage, £100; Knitmaster 323 machine, £60. Tel: 051-678 2001 (Upton).

KNITMASTER 155 Chunky with ribber, £425, or will swap for Knitmaster 700 with ribber. Tel: 0392-881217 (Exeter).

KNITMASTER 700, SRP60N ribber, Knit Radar, lace carriage LC2, linker SC3, manuals, tools, extra 2-way mast, table, £330, excellent condition. Tel: 0772-432660 (Leyland).

KNITMASTER Zippy Plus, table, SRP60N ribber, Hague linker, manuals, instructional video, all accessories, punchcards, new books, magazines, excellent condition, £375. Tel: 081-390 6204 (Surbiton).

TOYOTA 901, excellent condition, ribber and many attachments, health reasons force sale, boxed, no reasonable offer refused, must sell. Tel: 0636-79127 (Newark).

BROTHER 950, excellent condition, lace carriage, manuals, £350. Tel: 0458-43482 (Street) after 6pm.

SINGER Chunky Big Nine ribbing attachment, video, tools, instruction book, little used, £100. Tel: 0823-433651 (Taunton).

KR7 Knit Radar, suitable Knitmaster/Silver Reed machines, £60; Electronic Elna press, little used, £200. Tel: 0793-521959 (Swindon).

KEYTO cabinet, £50, as new, need space. Tel: 0895-445487 (Cowley).

FOR SALE

KNITMASTER Zippy Plus with ribber, intarsia carriage, table, wool winder, lots of punchcards, books and wool, plus many extras, £500 ono. Tel: 0227 264197 (Whitstable).

BROTHER KH910 electronic, £250; KHC820-A colour changer, £20; KA8310 transfer carriage, £20. Tel: 0732-865197 (Edenbridge).

PASSAP Duomatic 5, double bed knitting machine, knits from very fine to double knitting yarns, £95. Tel: 0494-815074 (Tylers Green).

PASSAP Duomatic 80, stand, punchcards, Forma, 4-colour changer, Deco, wool winder, instruction books, good condition, £350 ono. Tel: 0245-267939 (Chelmsford).

RIBBER KH850, £155 for Brother knitting machine. Tel: 0322-664985 (Swanley).

KNITMASTER Knit Radar KR7, complete, boxed, £40. Tel: 0877-330011 (Callunder).

KNITMASTER 324 plus ribbing attachment, £100; Horn cabinet, room needed, £85. Tel: 0444-450730 (Haywards Heath).

KNITMASTER 360 lace carriage, punchcards, Radar, table, ribber and transfer carriage, manuals, books, patterns, A to Z M/Knitting, pressing board, M/knitting magazines, vgc, £500. Tel: 081-304 3219 (Welling).

KNITMASTER knitting machine 700K with lace carriage, ribber, table, card punch, built-in Radar, intarsia, wool winder and other accessories, £350 ono. Tel: 081-531 0427 (London).

BROTHER electronic 910 MKII, garter carriage KG88(II), intarsia carriages, linker, wool winder, table, electronic pattern books, wool plus more, £650 ono. Tel: 0934-419256 (Weston-super-Mare).

KNITMASTER 700K, £225; Ribber SRP50, £115; Lace carriage LC2, £95; YC6 colour changer (new), £95; RT1 transfer carriage, SC3 linker, £30 each. Tel: 0795-534682 (Faversham).

BROTHER 950i, ribber 850, transfer carriage, double bed c/changer, single bed c/changer, disc drive, PPD 110/120, electric wool winder, lots of wool, patterns, magazines and discs, £1200 ono. Tel: 0902-759676 (Wolverhampton).

PASSAP knitting machine, double bed, also table, £200 ono. Tel: 0635-49099 (Newbury).

BOND Elite plus many books, £80 ono. Tel: 0532-695816 (Leeds).

FOR SALE

PFAFF 6000E with motor, Pfaff stand, automatic 4-colour changer, countdown row counter, video, patterns, books, manuals, excellent condition, £1275 ovno. Tel: 0282-32107 (Burnley).

BROTHER KH260 Chunky punchcard, table, books, vgc, £325 ono. Tel: 0825-722051 (Newick).

TOYOTA 901 with ribber, intarsia carriage, Knit Tracer, lace carriage, Plaiting unit, De-Knit and tilt table, plus instruction books, vgc, £295. Tel: 021-604 4797 (Birmingham).

NEW Brother 836 punchcard machine, bought as second machine, unused due to cataracts, £150. Tel: 081-527 5008 (London).

PASSAP Duo 80, four-colour changer, Deco, punchcards, brand new punch, lesson free if required, all in excellent working condition. Tel: 0525-874693 (Toddington).

KNITMASTER 700, Knit Radar, intarsia, SPR60N ribber used twice, table, wool winder, D-knitter, as new, many pattern books, bargain, £400. Tel: 0384-232260 (Dudley).

KNITMASTER 360KL, lace carriage, Knit Radar, SRP50 ribber, intarsia carriage, single/double bed colour changer, cast-off linker, 4-way mast, all boxed, £450, may split. Tel: 0708-447164 (Grays).

KNITMASTER SK890 Chunky knitting machine plus ribber, table, wool, patterns, intarsia, £425 ono. Tel: 091-528 7896 (Sunderland).

KNITMASTER Chunky 155 with ribber, table, punchcards, £325 ono. Tel: 0 582-865644 (Dunstable).

BROTHER 881 knitting machine and ribber, Knitleader, punch, table, punchcards, books, wool winder ec., excellent condition. Tel: 0904-652339 (York).

KNITMASTER standard gauge punchcard, wool winder, £100 ono, or exchange for similar chunky machine. Tel: 0204-77600 (Farnworth).

TOYOTA 901 with ribber, intarsia carriage, lace carriage, punch, punchcards, vgc, £300 ono. Tel: 0542-887797 (Keith).

PASSAP Duo 80, 4-colour changer, Deco, Form computer, punchcards, instruction manuals, vgc, £350. Tel: 0303-874426 (Romney Marsh).

KNITMASTER 360KL punchcard machine, Radar, manuals, ex-cond, illness forces sale, £140 ono; table, £10. Tel: 0623-863564 (Mansfield).

TOYOTA Knit Tracer, £50 ono. Tel: 0902-883962 (Dudley).

Classifieds

FOR SALE

SILVER Reed SK860, SR860 ribber, AG40 intarsia carriage not used at all, as new, £675 ono; Knitmaster 700 plus ribber, £375 ono, offers welcome. Tel: 0752 813579 (Plymouth).

JONES/BROTHER knitting machine, lace carriage, ribber attachment, tools and books, £180; Knitmaster 155 Chunky punchcard, £200, disposing because health reasons. Tel: 0375-370727 (Grays).

BROTHER Chunky KR230 ribbing machine, new, boxed, £160. Tel: 0406-364548 (Spalding).

HAGUE linker, excellent condition, £125; Knitmaster colour changer YC6, used once, £100 ono. Tel: 0642-724632 (Nr Middleborough).

POWER Knit electric motor with table, row countdown and foot control, excellent condition, £350. Tel: 0635-523141 (Newbury).

FOR SALE

BROTHER 881 punchcard, built-in Knitleader, lace carriage, punchcards, instruction books, table, punch, wool winder, excellent condition, £195. Tel: 0908-502123 (Milton Keynes).

HORN K4 knitting machine cabinet, very good condition, £125 ono, buyer to collect. Tel: 0926-815243 (Leamington Spa).

KNITMASTER Zippy plus table, ribber, lace carriage, many extras, reluctant sale, used twice but need space, £450. Tel: 081-644 6705 (Sutton) after 6pm please.

BROTHER KH260 Chunky punchcard machine, vgc, hardly used, £250. Tel: 0929-427690 (Swanage).

PASSAP Duomatic 5 double bed knitting machine with accessories. £45. Tel: 0489-572400 (Southampton).

FOR SALE

KNITMASTER SRP50 ribber, £90 ono. Tel: 0636-892886 (Newark).

SILVER Reed SK840 electronic with EC1 and PC1 Design Controller, Knit Radar, YC6 colour changer, SRP60N ribber, Keyto cabinet, books, yarn, £1200 ono. Tel: 0939 235289 (Shrewsbury).

KNITMASTER Knit Radar KR7, extra patterns, as new, £60; Punchcards, Fair Isle Vol.11 231-240, used once, £2, will post. Tel: 0905-831800 (Worcester).

HOBBYLOCK 796 overlocker, differential feed, as new, hardly used, bargain, £200. Tel: 0202-698420 (Poole).

TOYOTA 901 punchcard knitting machine with ribber, lace carriage, Knit Tracer, intarsia, plaiting and instruction tapes, good condition, £350. Tel: 0394-271941 (Felixstowe).

TOYOTA 950 ribber, Simulknit, transfer, intarsia, colour changer, Knit Tracer table, tilt table, punch, punchcards, manuals, £450; Keyto cabinet, £30. Tel: 0522-688511 (Lincoln).

PASSAP Duo 80, 4-colour changer, Deco, U70 Forma computer, books etc., extras, £300. Tel: 0206-844408 (Colchester).

SINGER Freestyle Electronic double bed, transfer, intarsia carriages, motor drive, table, books, spares, designs, £750 ono. Tel: 0934-750280 (Nr Axbridge).

PASSAP electronic 6000, stand, 4-colour changer, instruction video, instruction manuals, pattern books, tools, wool, rarely used, excellent condition, quick sale, £800. Tel: 071-498 2035 (Clapham).

KNITMASTER 360KL with ribber, table, lace carriage, Radar, all instruction manuals, punchcards and punch, excellent condition, £325. Tel: 091-252 1827 (Whitley Bay).

KNITMASTER 700 plus ribber, manuals, patterns, table etc., all in good order, £300, will split; Large selection of yarns - various prices. Tel: 0442-823757 (Tring).

BROTHER KH900 Electronic, £450; KR850 ribber, £195; Lace carriage, £75; Cabinet and bench, £100; Hague linker, £125, as new. Tel: 0384-440438 (Stourbridge).

SINGER Big Nine Chunky with instruction video, as new, good for mohair and intarsia, £50. Tel: 0606-737075 (Middlewich).

HAGUE linker guard stand, book, £150; Brother 881 accessories, excellent condition, £150. Tel: 0992-762963 (Enfield).

FOR SALE

ACRYLIC cotton wool approx 20 bags for sale, multi-colour spools, £20 per bag, genuine reason for selling. Tel: 0305-781815 (Weymouth) after 6pm.

BROTHER 230 Chunky, table, wool, books, vgc, £100 ono. Tel: 0703-434107 (Southampton).

KG-93 garter carriage, brand new, £250 ono; KA-8210 intarsia carriage, £20. Tel: 091-2131576 (Newcastle Upon Tyne).

BROTHER knitting machine, ribber, Knitleader, punchcards, magazines, 860, £400. Tel:071-387 1273 (London) evenings.

KNITMASTER 360, built-in Knit Radar, lace carriage, automatic weaving arm, SC3 linker, wool winder, books, £220 ono. Reluctant sale for health reasons. Tel: Bishops Stortford 0279-722053 (Sawbridgeworth).

KNITMASTER 700K ribber, manuals, accessories, £500, would split. Tel: 0373-826698 (Westbury).

BROTHER KR850 ribber, good working order, £160. Tel: 0452-831287 (Gloucester).

SINGER system 9000 with TV/monitor, colour changer, computer, discs, hardly used, still boxed, £1500 ono. Tel: 0734-343182 (Nr Reading).

WANTED

VIDEO on garter bar by Doris Coutts. Tel: 0248-852703 (Benllech).

SRP50 ribber required for a Knitmaster 324 or nearest substitute. Tel: 0903-753275 (Lancing).

SWAP

BROTHER 891 with ribber, single and double bed colour changer, linker, punch, books, will swap for Passap 6000E. Tel: 0254-263423 (Blackburn).

JONES + Brother 836 with punchcards for a New Home sewing machine. Tel: 0489-572400 (Southampton).

KNITMASTER 155 12st Chunky machine, will swap for an overlock machine. Tel: 0772-452171 (Leyland).

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Trade enquiries, please phone Brenda Hughes on 0672 516749

ABBREVIATIONS

alt = alternate(ly)
beg = beginning
ch = chain
cm = centimetres
cont = continue(ing)
dc = double crochet
dec = decrease(ing)
foll = following
g = grams
HP = holding position
in = inch(es)
inc = increase(ing)
K = knit
mm = millimetres
MT = main tension
MT−1, MT−2, MT−3 = one, two, three full sizes tighter than main tension
MT+1, MT+2, MT+3 = one, two, three full sizes looser than main tension
MY = main yarn
N(s) = needle(s)
NWP = non working position
P = purl
patt = pattern
RC = row counter
rem = remain(ing)
rep = repeat
ss = stitch size
st(s) = stitch(es)
st st = stocking stitch
tog = together
UWP = upper working position
WP = working position
WY = waste yarn

YARNS

Yarns used for our patterns are matched to this guide for thickness. If you want to use a different yarn and, especially for readers overseas who may not be able to buy the originals, choose a yarn of the same thickness. If you do use a different yarn here are a few tips.

Firstly, your garment is likely to be more successful if you use a very similar yarn so look for slubbed cotton for slubbed cotton, acrylic for acrylic, wool for wool and so on. A change of fibre is perfectly possible but requires even more care in checking tension, quantity and, above all, suitability in the resulting 'feel' and 'hang' of the knitted fabric.

To compare yarns, hold the proposed substitute over the guide and stretch it out until it is just taut, not pulled tightly. A good match should fit the guide lines closely.

Now that you have a suitable yarn, how much do you buy? Whenever possible buy the yarn by length rather than weight as different fibres and treatments can vary the weight of yarns a great deal. A 500 gram cone of airy acrylic would have many more metres or yards of yarn on it than a 500 gram cone of much denser cotton.

After matching the tension, the garments in the original and substitute yarns would have much the same number of stitches knitted throughout and therefore need much the same yarn length. When you cannot discover the length on the cone it is best to err on the generous side whilst using your previous experience to decide how many cones you would expect the garment to take.

It is possible to work out the length required for a garment by measuring the length used for a tension square and calculating the total area of the garment from the diagram but I think you would need to be addicted to mathematics to find this worthwhile.

Having bought your yarn, experiment until you have matched the original tension. To achieve the best 'handle' it may be necessary to vary the number of stitches or rows a little. This is no problem if you are using a charting device but will require extra calculation if you want to follow the written pattern where the numbers stated for rows and stitches will not now apply.

If all this sounds like too much trouble, take care. You could be lucky and knit a perfect garment in the first yarn that comes to hand but you could also be badly disappointed. Time is precious to all of us so it is worth 'wasting' a little to avoid wasting a lot. You will be rewarded by a successful result.

MOCK RIB

Used for welts, cuffs, neckbands and other edges on single bed machines without a ribber.

Push the number of main bed needles given in pattern to working position. Push every alternate needle back to non-working position for a 1×1 rib or every third needle back to non-working position for a 2×1 rib. It may be necessary to reduce this number by one needle at one or both edges to keep rib even. (Increase the stitches after the mock rib has been worked to give the same number as the pattern.)

Using main tension and waste yarn, cast on and knit a few rows ending with carriage at left. Set row counter at 000. Using at least two full sizes tighter than main tension, knit the number of rows given in pattern for rib. Using three full sizes looser than this tension, knit one row. (This loose row gives a neat fold line.) Return to two full sizes tighter than main tension and knit the same number of rows as before. Push empty needles from non-working to working position and make a hem by placing loops of first row worked in main yarn evenly along the row. Make sure that each empty needle holds a loop to prevent a row of holes across the work.

Unravel waste yarn after work has been removed from machine. After garment has been blocked to size, insert a metal welt bar or thin, clean piece of wood through the hem and pull firmly downwards to draw stitches of mock rib closer together. Set the stitches by steaming lightly on wrong side, if pressing instructions permit.

QUICK CAST-ON

This method can be used for both speed and when edges are either hidden or to be gathered by pulling up yarn end.

Carriage at right. Push alt Ns to WP. Use tension dial setting and either MY or WY as given in pattern. K1 row. Hook on cast-on comb. Push rem alt Ns into WP. K1 row. Carriage back at right. Cont as given in pattern instructions.

When knitting is removed from machine, pull yarn end at cast-on edge to gather up sts or, for a straight edge, pull yarn end to remove any slack and fasten off. See pattern for which is required. Your manual will describe this method of casting on although it may be called by a different name and may not use a cast-on comb.

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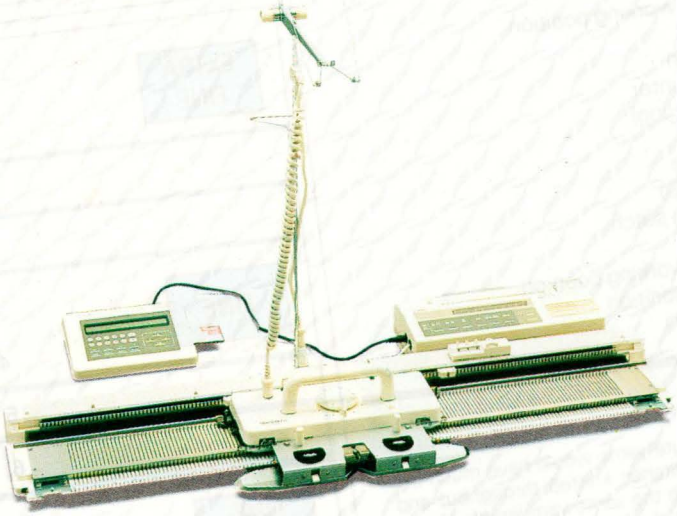
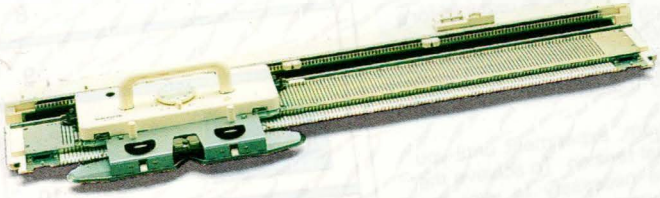
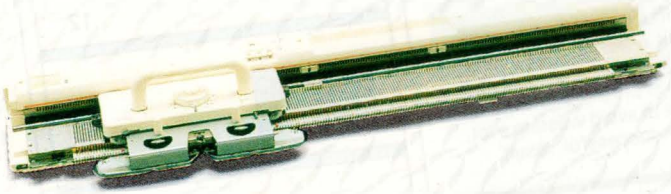


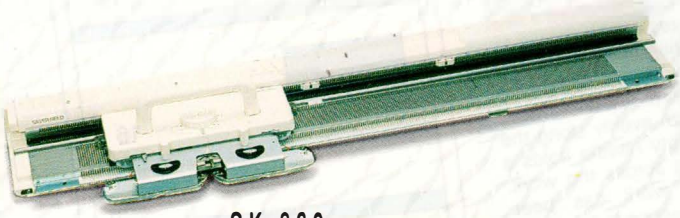
SK 890 *Chunky gauge*
Knits Mohair, Aran, Chunky



SK 860 *Double Knitting gauge*
Knits 4 ply, DK, Aran, Mohair



SK 840 *Standard gauge*
Knits 2 ply, 3 ply, 4 ply



SK 830 *Fine gauge*
Knits 1 ply, 2 ply, 3 ply

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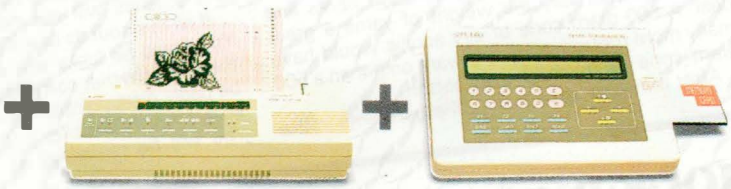

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